



UNINTERRUPTIBLE POWER SUPPLIES

Infinity Power

General Introduction

Infinity Power was founded in 2016 to provide a full range of solutions and services to customers, integrating sales, manufacturing, engineering, parts supply and after-sales service in the Uninterrupted Power Solutions and Power Quality such as: UPS, Generators, Invertors, Data Center infrastructure and Voltage Regulators. Infinity Power offers high quality long life products and full service to the world.

We are professional in Diesel Generators

Now Infinity Power Supplying Diesel Generators in the power range of 5kVA to 2250kVA; open type, soundproof type, super soundproof type, trailer type, containerized type diesel generator sets, ATS Panel, and Synchronizing Panels.

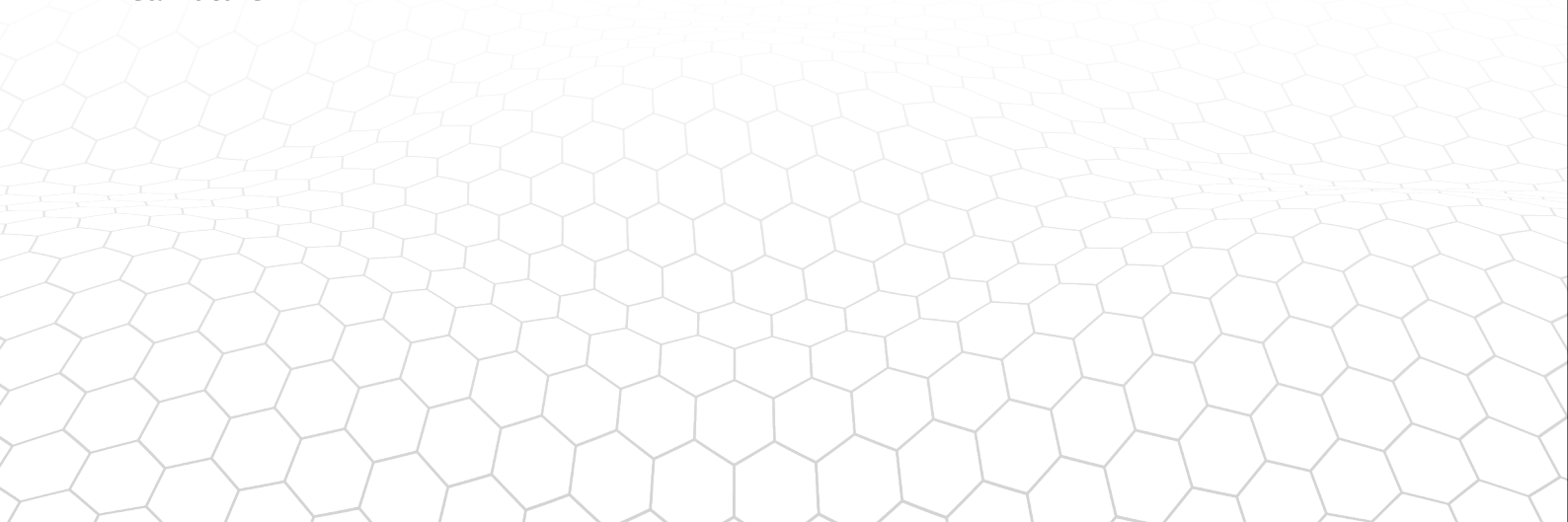
Our quality and performance become very good. There are mainly two reasons: One is we have very good relationship with global and worldwide class engines and alternators manufactures; Cummins, Perkins, Deutz, Ricardo, Weichai, Shanghai engines and that of Stamford, Leroy Somer, Marathon alternators, also our own made high quality Stamford technology generators. The other is we pay special attention to our technology innovation and quality control. To ensure the quality of our products, CNC machines, pretreatment and powder coating facilities for steel frame and silent canopy have been put into use in our base.

No Power Interruption

Infinity Power also become a leader of UPS and Power quality goods supplier, now we provide a very large scale of Line interactive UPS & DC UPS, small & medium power high frequency UPS, and high frequency and high power UPS, in the power range of 400VA to 1560kVA, we succeed to provide more than one option of the technologies; Modular UPS: pay as you grow, Stand Alone, Tower, and Rack mountable.

We have professional international sales teams, who are professional in generator set business and power quality and experienced in the exportation. We also have Service Team that is quite responsive to provide Before Service, Service during Sales and After Service. In recent years, to be compliant with the requirements of the environment protection, we have concentrated upon the technology innovation and attestation work. We are ISO 9001 and ISO 14001 CE, CCS, CCC certificated.

We warmly welcome your joining with us and hope that will bring mutual benefit to both parties in near future.



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PC Power Series

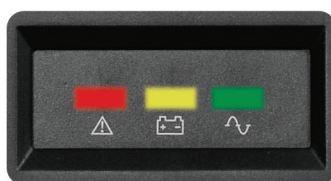
LINE INTERACTIVE UPS
400 2000VA

Features

- Line Interactive UPS with simulated sinewave output
- Excellent microprocessor control guarantees high reliability (Internal self-diagnostic technology)
- Boost and buck AVR for voltage stabilization (One boost and one buck control)
- Auto restart while AC is recovering
- Cold start function
- Off-mode charging
- Fast intelligent battery recharge function
- Offering LED and LCD panels for selections
- Optional Generator compatible
- Optional USB/RS232 communication port and RJ11/RJ45 protection



Two Kinds of Color LCD Display



LED display



Optional socket

LCD or LED panel for option

1. AC input
2. Output socket
3. USB & RJ11 communication
4. USB & RS232 communication
5. RJ45



Rear Panel

Technical Specifications:

MODEL	PCP400		PCP650	PCP850	PCP1000	PCP1200	PCP1500	PCP2000
Capacity (VA/Watts)	400 / 240		650 / 390	850 / 510	1000 / 600	1200 / 720	1500 / 900	2000 / 1200
INPUT								
Nominal input voltage	110/120 Vac or 220/230/240 Vac							
Operating voltage range	81~145 Vac / 162~290 Vac							
Operating frequency range	50/60 Hz (±10%)							
OUTPUT								
Output voltage range (Batt. Mode)	Simulated sine wave at nominal voltage ±10%							
Frequency range (Batt. Mode)	50 or 60Hz ±1Hz							
Transfer time	Typical 2~6 ms, 10ms max.							
BATTERY								
Battery type & number	12 V/4.5Ah x 1	12 V/7Ah x 1	12 V/9Ah x 1	12V/7Ah x 2	12 V/7Ah x 2	12 V/9Ah x 2	12 V/9Ah x 2	
Typical recharge time	6~8 hours (to 90% of full capacity)							
SYSTEM FEATURES								
Indicators	AC Mode (Green LED lighting)				The 5th Green LED lighting (The 1st to 4th green LED lighting to indicate load level) LED1 (green): >100% load level LED2 (green): >75% load level LED3 (green): >50% load level LED4 (green): >25% load level			
	Battery Mode (Amber LED flashing)				The 5st green blinking (The 1st to 4th green LED lighting to indicate battery capacity) LED1 (green): battery voltage > 25V LED2 (green): battery voltage > 23V LED3 (green): battery voltage > 22V LED4 (green): battery voltage > 21V			
	Fault (Red LED lighting)							
Protection	Overload and overcharge protection							
Alarm	Battery Mode: Sounding every 10 seconds Low battery: Sounding every second Overload: Sounding every 0.5 second Battery replacement alarm: Sounding every 2 seconds Fault: Continuously sounding							
Communication interface	USB/RS-232 (optional),Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC							
ENVIRONMENTAL								
Operating temperature	0~40 °C							
Humidity range	0~95%(non-condensing)							
Noise level	<40dB (1 meter from surface)							
PHYSICAL								
Dimension D×W×H (mm)	298×101×142			353×149×162			380×158×198	
Net weight (kg)	3.8	4.3	4.9	7.8	8.4	10.1	10.5	
STANDARDS								
Safety	IEC/EN62040-1;IEC/EN60950-1							
EMC	IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4;IEC61000-4-5;IEC61000-4-6;IEC61000-4-8							

Specifications are subject to change without prior notice.



Data Power Series

ONLINE DOUBLE CONVERSION UPS
1kVA To 3kVA (0.9 PF) Tower

Features

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/ EPO/
- Dry contact card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

3 kinds of LCD can be selected



Colourful
LCD



Blue LCD



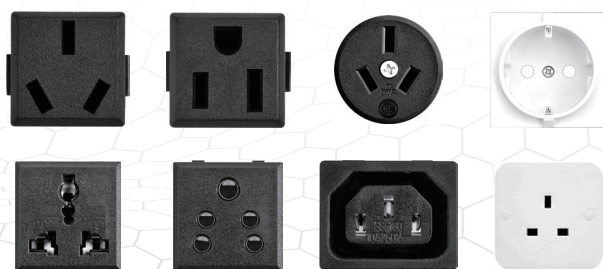
Advanced
Touch Screen



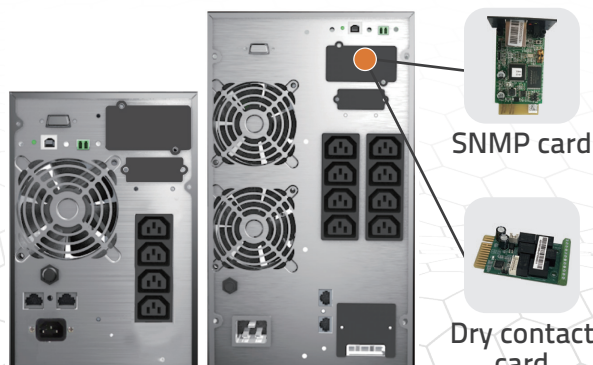
Battery Cabinet
(Optional)



Optimized Battery
Configuration 7/9Ah



Optional socket



Rear Panel

SNMP card

Dry contact
card

Technical Specifications:

MODEL		DPS-1000		DPS-2000	DPS-3000
PHASE		Single phase with ground			
Capacity(VA/Watts)		1000/900		2000/1800	3000/2700
INPUT					
Nominal Voltage		200/208/220/230/240Vac			
Input Voltage Range		176-264Vac at 100% load			
Frequency Range		45-55Hz/55-65Hz			
Power Factor		≥ 0.99 @Nominal voltage (100% load)			
OUTPUT					
Output Voltage		200/208/220/230/240Vac			
Voltage Regulation		±1%			
Frequency Range(Synchronized Range)		45-55Hz/56-64Hz			
Frequency Range(Batt.Mode)		50Hz/60Hz±0.1Hz			
Current Crest Ratio		3:1			
Harmonic Distortion(THDv)		≤3% (Linear load) ≤5% (Non-linear load)			
Transfer Time	AC to DC	Zero			
	Inverter to Bypass	4ms(Typical)			
Waveform		Pure Sinewave			
EFFICIENCY					
AC Mode		90%	91%	92%	
Battery Mode		95%	96%	97%	
BATTERY					
Standard Model	Battery Type	12V/9AH	12V/9AH	12V/9AH	
	Numbers	2 or 3	4 or 6	8	
	Typical Recharge Time	4 hours recover to 90% capacity			
	Charging Current(max.)	1.0A			
	Charging Voltage	27.4Vdc±1%	54.7Vdc±1%	82.1Vdc±1%	
Long-run Model	Battery Numbers	Depending on the capacity of external batteries			
	Charging Current(max.)	7A/14A(double board)	6A/12A(double board)	6A/12A(double board)	
	Charging Voltage	41.0Vdc/27.4Vdc ±1%	54.7Vdc/82.1Vdc/109.4Vdc ±1%	82.1Vdc/109.4Vdc ±1%	
INDICATORS					
LCD		Load level,Battery level,AC mode,Battery mode,Bypass mode,and Fault indicators			
ALARM					
Battery mode		Sounding every 4 seconds			
Low Battery		Sounding every second			
Overload		Sounding twice every second			
Fault		Continously sounding			
PHYSICAL					
Standard Model	Dimension (D xW xH)mm	293x144x209	460x191x337		
	Net Weight (kgs)	10.0	21.0	26.0	
Long-run Model	Dimension (D xW xH)mm	293x144x209	460x191x337		
	Net Weight (kgs)	5.6	11.0	11.5	
ENVIRONMENT					
Humidity		20-90% RH @ 0-40 °C (Non-condensing)			
Noise level		<50dB @ 1 Meter			
MANAGEMENT					
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008 Windows® 7/8 Linux,FreeBSD and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

Specifications are subject to change without prior notice.



Data Power Series

ONLINE DOUBLE CONVERSION UPS
6kVA To 10kVA (0.9 PF)
Single Phase input/output (1:1) Tower

Features

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- 3-level inverter topology, the efficiency can be up to 95.5%
- Wide input voltage range: 110~300Vac
- Dual input source (Optional)
- Generator compatible
- Supporting customized shared battery banks for parallel system (The battery banks should be configured with neutral line)
- Dual Intelligent card slot for touch screen version
- (Segment LCD optional)
- Maximum charging current up to 15A
- Cold start function
- Dry contact port optional (4 pins input and 4 pins output)
- Intelligent fan speed regulation
- Low noise design, less than 45dB for 6kVA
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



5 Kinds of LCD can be selected



Battery Cabinet (Optional)



Optimized Battery Configuration
7/9Ah



Dry contact card



SNMP card



Technical Specifications:

MODEL		DPS-6000	DPS-10K1-1
Capacity (VA/Watts)		6k / 5.4k	10k / 9k
INPUT			
Nominal voltage		220/230/240Vac	
Operating voltage range		120~276Vac	
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)	
Power factor		≥0.99	
Bypass voltage range		Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)	
ECO range		Same as the bypass	
Harmonic distortion (THDi)		<3%(100% linear load)	
Generator input		Support	
OUTPUT			
Rated voltage		220/230/240Vac	
Power factor		0.9	
Voltage regulation		±1%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)	
	Bat. Mode	50/60(±0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non-linear load	
Efficiency		>95%	
BATTERY			
Battery voltage		±96/108/120Vdc (optional)	
Capacity (standard unit)		12V/7Ah/9Ah	
Typical recharge time)		6-8 hours (to 90% of full capacity)	
Charge current		1A(Standard unit); Long run unit Max.current10A(charge current can be set according to battery capacity installed)	
SYSTEM FEATURES			
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms	
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately	
	Bypass Mode	40A(Breaker)	60A(Breaker)
Short circuit		Hold Whole System	
Overheat		Line Mode: Turn to Bypass; Backup Mode: Shut down UPS immediately	
Low battery voltage		Alarm and Switch off	
Self-diagnostics		Upon Power On and Software Control	
Battery		Advanced Battery Management	
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault	
LED & LCD display		Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault	
LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Communication interface		RS232,USB,SNMP card(optional), Parallel card(optional), Relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0°C~40°C	
Storage temperature		-25°C~55°C	
Humidity range		0~95% (non-condensing)	
Altitude		< 1500m	
Noise level		<55dB	
PHYSICAL			
Dimension D×W×H (mm)		460x191x720	
Net weight (kg)		54	63
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN60950-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	
BATTERY BANK			
Model		DPS-BT Series	
Battery type& Max.quantity		2×20pcs/7Ah/(9Ah)	
PHYSICAL OF BATTERY BANK			
Dimensions D×W×H (mm)		597×250×616	
Net weight (kg)		122/134	

Specifications are subject to change without prior notice.

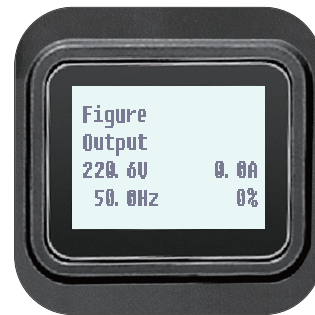


Data Power Series

ONLINE DOUBLE CONVERSION UPS
10kVA To 20kVA (0.9 PF)
3 PH input/1 PH output (3:1) Tower

Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <5%
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- factor is changed when selection different battery quantity 16pc:0.7PF;18PCS:0.8PF;20P CS:0.9PF
- Wide input voltage range: 208~478Vac
- Wide input frequency range(50Hz: 45~55Hz / 60Hz: 54~66Hz)
- Support generator input
- Support economic(ECO) operation mode
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel board
- Cold start



Control Panel



Battery Cabinets
(Optional)



Rear Panel



Relay card



Parallel board

Technical Specifications:

MODEL		DPS-10K3-1		DPS-15K3-1		DPS-20K3-1	
Capacity(VA/Watts)		10k / 9k		15k / 13.5k		20k / 18k	
INPUT							
Nominal voltage		380/400/415Vac,(3Ph+N+PE)					
Operating voltage range		208~478Vac					
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)					
Power factor		≥0.99					
Bypass voltage range		Max.voltage: 220V: +25%(optional +10%+15%+20%) 230V: +20% (optional +10%+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)					
Bypass frequency range		Frequency protection range:±10%					
ECO range		Same as the bypass					
Harmonic distortion (THDi)		<5%(100% linear load)					
Generator input		Support					
OUTPUT							
Rated voltage		220/230/240Vac					
Power factor		0.9					
Voltage regulation		±1%					
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)					
	Bat. Mode	50/60(±0.1)Hz					
Crest factor		3:1					
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non-linear load					
Efficiency		95%		95.5%			
BATTERY							
Battery voltage		±96/108/120Vdc (optional)					
Capacity (standard unit)		12V/7Ah/9Ah					
Typical recharge time		6~8 hours (to 90% of full capacity)					
Charge current		1A(10kVA Standard unit) ; Max.current 10A(Long run unit)					
SYSTEM FEATURES							
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms					
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately					
	Bypass Mode	63A(Breaker)	100A(Breaker)		125A(Breaker)		
Short circuit		Hold Whole System					
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately					
Low battery voltage		Alarm and Switch off					
Self-diagnostics		Upon Power On and Software Control					
Battery		Advanced Battery Management					
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault					
LED & LCD display		Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault					
LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time					
Communication interface		RS232,USB,SNMP card(optional), Parallel board(optional), Relay card (optional)					
ENVIRONMENTAL							
Operating temperature		0°C~40°C					
Storage temperature		-25°C~55°C					
Humidity range		0~95% (non-condensing)					
Altitude		< 1500m					
Noise level		<55dB		<58dB			
PHYSICAL							
Dimension D×W×H (mm)		597×250×655(S)/502×250×616(H)		502×250×616			
Net weight (kg)		76(S)/35 (H)	45	46			
STANDARDS							
Safety		IEC/EN62040-1,IEC/EN60950-1					
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8					
BATTERY BANK							
Model		DPS-BT Series					
Battery type& Max.quantity		2×20pcs/7Ah(9Ah)					
PHYSICAL OF BATTERY BANK							
Dimensions D×W×H (mm)		597×250×616					
Net weight (kg)		122/134					



Data Power + Series

ONLINE DOUBLE CONVERSION UPS
1kVA To 3kVA (0.9 PF)
RACK/TOWER

Features

- Rack/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Simply Pushing Front Button
- True Online Double Conversion
- High Output Power Factor at 0.9PF
- Comprehensive display allows easy monitoring and access of UPS status
- Smart SNMP works with either USB or RS-232 together
- Hot-Swappable Battery
- Efficiency up to 90%
- Estimated Remaining Time displayed on the LCD
- Support Economic (ECO) Operation Mode
- Matching Battery Pack
- Optional Powerful Charger
- Cold Start
- Power Shedding May Turn Off Uncritical Load in Battery Backup
- Emergency Power Off
- Frequency Converter Mode Is Settable



Two directions LCD display



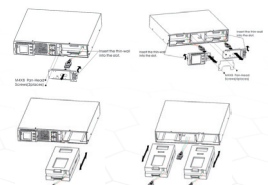
Optional socket



Mini dry contact card



Multifunctional bracket



Easy for maintenance, hot-swappable battery



Battery Cabinets (Optional)



Rack-Tower convertible

Technical Specifications:

MODEL		DPPS-1000	DPPS-1500	DPPS-2000	DPPS-3000
Capacity (VA/Watts)		1000/900	1500/1350	2000/1800	3000/2700
INPUT					
Rated Voltage		200/208/220/230/240Vac			
Voltage Range		110~290Vac			
Frequency Range		45~65Hz(auto-detect)			
Power Factor		≥0.98			
Bypass Voltage Range		Max.voltage: +15%(optional +5%,+10%,+25%) Min. voltage: -45% (optional-15% -20%,-30%) Frequency protection range: ±10%			
Generator Input		Support			
OUTPUT					
Rated Voltage		200/208/220/230/240Vac			
Power Factor		0.9			
Voltage Regulation		±2%			
Frequency	Utility Mode	50Hz or 60Hz(Synchronized to Mains)			
	Battery Mode	50/60Hz±0.02Hz			
Crest Factor		3:1			
THDv		≤3% with linear load ≤5% with non linear load			
Efficiency	AC Mode(full load)	up to 95%			
	Battery Mode(full load)	>90%			
	ECO Mode(full load)	>99%			
BATTERY					
Standard Model	Battery Type	12V/9AH	12V/9AH	12V/9AH	12V/9AH
	Numbers	2	3	4	6
	Typical Recharge Time	4 hours recover to 90% capacity			
	Charging Current(max.)	1.4A			
	Charging Voltage	27.4Vdc±1%	41.0Vdc±1%	54.7Vdc±1%	82.1Vdc±1%
Long-run Model	Battery Numbers	Depending on the capacity of external batteries			
	Charging Current(max.)	6A/12A(double board)	7A/14A(double board)	6A/12A(double board)	6A/12A(double board)
	Charging Voltage	27.4Vdc±1%	41.0Vdc±1%	54.7Vdc±1%	82.1Vdc±1%
SYSTEM FEATURES					
Transfer time		Utility to Battery : 0ms; Utility to bypass< 4ms			
Overload	AC Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely			
	Bat. Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely			
	Bypass Mode	Load > 130%: 60S then shut down output			
Audible & Visual		Line Failure, Battery Low, Overload, System Fault			
Status LED & LCD		Load/Battery/Input/Output/Operating Mode Information			
ENVIRONMENTAL					
Dimension(W xH xD)mm		440 x86.5 x430	440 x86.5 x430	440 x86.5 x572	440 x86.5 x696
Weight (Kg)		15.1	18.1	22.2	25.5
Input Connection		IEC320 C14-10A	IEC320 C14-10A	IEC320 C20-16A	IEC320-C20-16A
Output Connection		IEC320 C13-10A x 6	IEC320 C13-10A x 6	IEC320 C13-10A x 6	IEC320 C13-10A x 6 & C19-16A x 1
Communication Interface		Smart RS232/USB Port/RJ45/SNMP Card (independent to RS232)			
Operating Temperature		0~40°C			
Storage Temperature		-25~+55°C			
Humidity		0~90% (non condensing)			
Altitude		<1500m.(derating while > 1500m)			
Noise		<50dB(at 1 meter)			
BATTERY BANK					
Model		DPPS-BR04009	DPPS-BR06009	DPPS-BR08009	DPPS-BR12009
Bat.Type&Max.Quantity		9AH x4	9AH x6	9AH x8	9AH x12
PHYSICAL OF BATTERY BANK					
Unit Dimensions W xH xD (mm)		440 x86.5 x430	440 x86.5 x430	440 x86.5 x572	440 x86.5 x696
Weight (Kg)		12	15	22	32
Specifications are subject to change without prior notice.					



Data Power + Series

ONLINE DOUBLE CONVERSION UPS
6kVA To 10kVA (0.9 PF)
Single Phase input/output (1:1)
RACK/TOWER



2U UPS+2U Lithium
Battery Pack



2U UPS+3U
VRLA Battery Pack



4U UPS VRLA
Battery Built-in

Features

- Lithium or VRLA battery selectable
- Wide input voltage range: 110~300Vac
- Dual input source (Optional)
- Generator compatible
- Support customized common battery banks, when UPSs are used in parallel and only for VRLA version
- (The battery banks should be configured with neutral line)
- 4U Standard version is available with external battery port (Optional)
- Programmable receptacles
- The 3.5 in touchscreen supports both lithium and VRLA battery versions, the three segment LCDs are compatible with VRLA version only
- Multiple communication interface: RS232/USB/RS485/EPO/PDU signal/Battery temperature signal/Battery group signal/Dual Intelligent card slot (Mini card slot optional)
- Maximum charging current up to 15A
- Cold start function (Only for VRLA battery)
- Dual Intelligent card slot for touch screen version (Segment LCD optional)
- Dry contact port optional (4 pins input and 4 pins output)
- Rail (Optional)
- PDU with maintenance bypass switch (Optional)
- Intelligent fan speed regulation
- Low noise design, less than 45dB for 6kVA
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- IEC62619/UL1973/UN 38.3 certified lithium battery pack



Multifunctional
Bracket



The 3.5 inch touch screen LCD
panel can be rotated (Touch
screen is gravity sensing)



Mini Dry
Contact
card



Mini SNMP
card



Dry Contact
card



SNMP
card



6-10kVA 230V (L-N)



5 Kinds of LCD can be selected

Technical Specifications:

MODEL		DPPS-6000		DPPS-10K1-1	
Capacity(VA/Watts)		6k / 5.4k		10k / 9k	
INPUT					
Nominal Voltage		220/230/240Vac(L+N+PE)			
Operating voltage range		110~300 (110~300@50% load/176~300@100% load)			
Operating frequency range		45~55Hz/54~66Hz±0.5Hz			
Power factor		≥0.99			
Bypass voltage range		220V: +25%(optional +10%,+15%,+20%) 230: +20% (optional +10%,+15%) 240: +15% (optional +10%) Min. voltage: -45% (optional -20%-30%)			
ECO range		Same as bypass			
Harmonic distortion (THDi)		≤3%(100% linear load)			
Generator input		Support			
OUTPUT					
Output voltage		220/230/240Vac			
Power factor		0.9			
Voltage regulation		±2%			
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)			
	Bat. Mode	50/60 (±0.1)Hz			
Crest factor		3:1			
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non linear load			
Waveform		Pure Sinewave			
Efficiency		>95%			
BATTERY					
Battery voltage		Optional Voltage: ±96/±108/±120Vdc VRLA or LI-ion			
Typical recharge time		6~8 hours (to 90% of full capacity)			
Charge current		Maximum Current 6A; charge current can be set according to battery capacity installed.			
SYSTEM FEATURES					
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms			
Overload	Line Mode	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1S;>150% turn to bypass mode			
	Bypass Mode	40A(Input breaker)		60A(Input breaker)	
Short Circuit		Hold Whole System			
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately			
Low battery voltage		Alarm and Switch off			
Self-diagnostics		Upon Power On and Software Control			
EPO (optional)		Shut down UPS immediately			
Battery		Advanced Battery Management			
Noise Suppression		Complies with EN62040-2			
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault			
Status LED & LCD display		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault			
Reading on the LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time			
Comunication interface		USB,RS232,Parallel Port, SNMPcard/Relay card (optional)			
ENVIRONMENTAL					
Operating temperature		0~40°C			
Storage temperature		-25~55°C			
Humidity range		0~95% (non condensing)			
Altitude		<1500m			
Noise level		<45		<50	
PHYSICAL					
Dimension W×H×D (mm)		440×621.5×86.5 (2U)	440×621.5×175 (4U)	440×621.5×86.5 (2U)	440×621.5×175 (4U)
Net Weight (kg)		15	57/65	17	67
STANDARDS					
Safety		IEC/EN62040-1,IEC/EN60950-1			
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			

Specifications are subject to change without prior notice.



Data Power + Series

ONLINE DOUBLE CONVERSION UPS
6kVA To 10kVA (0.9 PF)
3 PH input/ 1 PH output (3:1)
RACK/TOWER

Features

- Online-Double conversion
- Output transfer time is 0ms
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: <5%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 208~478Vac or 120~276Vac
- Wide input frequency range: 45-55Hz/54-66Hz
- Self-testing when UPS startup
- Input over/under-voltage protection
- Automatic bypass
- DC start
- Communication port: USB , RS232
- Options: SNMP card / Relay card



The LCD panel can be rotated



Control Panel



Battery Cabinets
(Optional)

Technical Specifications:

MODEL		DPPS-6K3-1	DPPS-10K3-1
Capacity(VA/Watts)		6k / 5.4k	10k / 9k
INPUT			
Nominal Voltage		380/400/415Vac(3Ph+N+PE) or 220/230/240Vac(L+N+PE)	
Operating voltage range		208~478Vac or 120Vac~276Vac	
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)	
Power factor		≥0.99	
Bypass voltage range		Max. voltage: 220V: +25%(optional +10%+15%,+20%) 230V: +20% (optional +10%+15%), 240V: +15% (optional +10%) Min. voltage: -45% (optional -20%,-30%)	
Bypass frequency range		Frequency protection range:±10	
ECO range		Same as bypass	
Harmonic distortion (THDi)		≤5%(100% linear load)	
Generator input		Support	
OUTPUT			
Output voltage		220/230/240Vac	
Power factor		0.9	
Voltage regulation		±1%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)	
	Bat. Mode	50/60(±0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% with linear load, ≤5% with non linear load	
Efficiency		>95%	
BATTERY			
Battery voltage		±96/108/120Vdc (optional)	
Backup time		Long run unit depends on the capacity of external batteries Estimated remaining time displayed on the LCD	
Typical recharge time		6~8 hours (to 90% of full capacity)	
Charge current		Maximum Current 10A; charge current can be set according to battery capacity installed	
SYSTEM FEATURES			
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms	
Overload	Line Mode	Loads≤110%:60min; ≤125%:last 10min; ≤150%:last 1min;>150% turn to bypass mode	
	Bypass Mode	40A(input breaker)	60A(input breaker)
Short Circuit		Hold Whole System	
Overheat		Line Mode: Turn to Bypass; Backup Mode: Shut down UPS immediately	
Low battery voltage		Alarm and Switch off	
Self-diagnostics		Upon Power On and Software Control	
Battery		Advanced Battery Management	
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault	
Status LED & LCD display		Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault	
Reading on the LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Comunication interface		RS232,USB,SNMP card(optional), Relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0°C~40°C	
Storage temperature		-25°C~55°C	
Humidity range		0~95% (non condensing)	
Altitude		<1500m	
Noise level		<55dB	
PHYSICAL			
Dimension W×H×D (mm)		580×443×131(3U)	
Net Weight (kg)		23	25
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN60950-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	
BATTERY BANK			
Model		DPPS-BR Series	
Battery type& Max.quantity		7Ah x20	9Ah x20
PHYSICAL OF BATTERY BANK			
Dimensions D×W×H (mm)		720×443×131(3U)	
Net weight (kg)		30 (3:1) / 19 (1:1)	31(3:1) / 20 (1:1)
Specifications are subject to change without prior notice.			



Mega Power Series

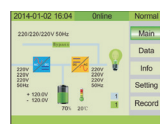
ONLINE DOUBLE CONVERSION UPS
10kVA To 80kVA (0.9 PF)
Three Phase input/output (3:3)

Features

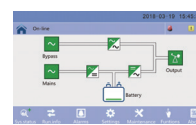
- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group, the quantity of battery 10~30kVA: 16/18/20pcs (30~50pcs supportable)
- 40kVA: 30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (Optional for standard unit)
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Cold start
- The output can meet 100% unbalanced load
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card
- (Optional), Dry contact card (Optional), Battery temperature sensor (Optional)



Segment LCD



TFT colourful LCD



7 inch colourful LCD



Battery cabinet (Optional)



Optimized battery configuration
7Ah/9Ah (12V)



Dry contact card



SNMP card



SNMP card



Parallel cable

Technical Specifications:

MODEL		MPS10K		MPS15K		MPS20K		MPS30K		MPS40K		MPS60K		MPS80K	
Capacity (VA/Watts)		10k / 9k		15k / 13.5k		20k / 18k		30k / 27k		40k / 36k		60k / 54k		80k / 72k	
INPUT															
Nominal input voltage		380/400/415Vac, (3Ph+N+PE)													
Operating voltage range		305~478 (Full load); 208~478 (50% load)													
Operating frequency range		45~55Hz at 50Hz / 54~66Hz at 60Hz (auto sensing)								40~70Hz					
Power factor		≥0.99													
Bypass voltage range		Max.voltage: 220: +25% (Optional +10%, +15%, +20%), 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%), Min.voltage: -45% (Optional -20%, -30%)													
Bypass frequency range		Frequency synchronize tracing range: ±10%													
ECO range		Same as bypass													
Harmonic distortion (THDi)		≤3% (100%non-linear load)													
OUTPUT															
Output voltage		380/400/415Vac (3Ph+N+PE)													
Power factor		0.9													
Voltage regulation		±1%													
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)													
	Bat. Mode	50/60(±0.1)Hz													
Crest factor		3:1													
Harmonic distortion (THD)		≤2% with linear load ≤5% with non linear load													
Efficiency		96.7%								96.7%					
BATTERY															
Battery voltage		Standard unit: ±120Vdc (20pcs 12V9AH);				Standard unit: ±120Vdc (2x20pcs 12V9AH);		Standard unit: ±120Vdc(3x20pcs 12V9AH);				Optional Voltage: ±192V/±204V/±216V/±228V/ ±240Vdc(32/34/36/38/40pcs optional)			
Charge Current(A) (charge current can be set according to battery capacity installed)		Standard unit: 1.35A				Standard unit: 2.7A		Standard unit: 4.05A		Max.current 15A		Max.current 30A		Max.current 30A	
SYSTEM FEATURES															
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms													
Overload		Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% change to bypass													
Short circuit		Hold Whole Syetem													
Communication		USB,RS232, RS485, Parallel port, REPO port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional).LBS port (only 60~80k)													
ENVIRONMENTAL															
Operating temperature		0~40 °C													
Storage temperature		-25~55°C(No battery)													
Humidity range		0~95% (Non condensing)													
Altitude		< 1500m.When>1500m,lower the rated power for use													
Noise level		<55dB								<58dB				<63dB	
PHYSICAL															
Dimension D×W×H (mm)		900x250x868										828x360x868			
Net weight (kg)		115/57		170/63		171/64		223/71		73		118		122	
STANDARDS															
Safety		IEC/EN62040-1,IEC/EN60950-1													
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8													

Specifications are subject to change without prior notice.



Mega Power Series Long

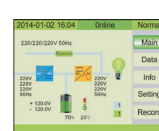
ONLINE DOUBLE CONVERSION UPS
10kVA To 80kVA (0.9 PF)
Three Phase input/output (3:3)

Features

- Online–Double conversion
- Output transfer time is 0ms
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 2%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 45~66Hz
- DC start
- Communication port: USB/RS232/RS485/Parallel port/ dry contact
- Options: SNMP card/Relay card
- LCD/LED double display
- Intelligent charging management
- EPO function
- Common battery group
- The output can be meet 100% unbalanced load



Segment LCD



TFT colourful
LCD



7 inch colourful
LCD

Technical Specifications:

MODEL		MPS10K long		MPS15K long		MPS20K long		MPS30K long		MPS40K long		MPS60K long		MPS80K long			
Capacity (VA/Watts)		10k / 9k		15k / 13.5k		20k / 18k		30k / 27k		40k / 36k		60k / 54k		80k / 72k			
INPUT																	
Nominal voltage		380/400/415Vac, (3Ph+N+PE)															
Operating voltage range		208~478Vac															
Operating frequency range		45~55Hz at 50Hz / 54~66Hz at 60Hz (auto sensing)								40~70Hz							
Power factor		≥0.99															
Bypass voltage range		380Vac Max.voltage: +25%(optional +10%,+15%,+20%) 400Vac Max.voltage: +20%(optional +10%,+15%) 415Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%)															
Bypass frequency range		Frequency synchronize tracing range: ±10%															
ECO range		Same as bypass															
Harmonic distortion (THDi)		≤2% (100%non-linear load)															
OUTPUT																	
Output voltage		380/400/415Vac (3Ph+N+PE)															
Power factor		0.9															
Voltage regulation		±1%															
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)															
	Bat. Mode	50/60(±0.1)Hz															
Crest factor		3:1															
Harmonic distortion (THD)		≤2% with linear load ≤3% with non linear load															
Efficiency		96.5%								96.7%							
BATTERY																	
Battery voltage		Optional Voltage: ±96V/±108V/±120V(16/18/20pcs optional)								Optional Voltage: ±192V/±204V/±216V/±228V/ ±240Vdc(32/34/36/38/40pcs optional)							
Charge Current(A) (charge current can be set according to battery capacity installed)		Max.current 10A				Max.current 10A				Max.current 15A		Max.current 15A		Max.current 30A		Max.current 30A	
SYSTEM FEATURES																	
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms															
Overload		Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% change to bypass															
Short circuit		Hold Whole Syetem															
Communication		USB,RS232, RS485, Parallel port, REPO port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional).LBS port (only 60~80k)															
ENVIRONMENTAL																	
Operating temperature		0~40 °C															
Storage temperature		-25~55°C(No battery)															
Humidity range		0~95% (Non condensing)															
Altitude		< 1500m.When>1500m,lower the rated power for use															
Noise level		<55dB								<58dB				<63dB			
PHYSICAL																	
Dimension D xW xH (mm)		828x250x868										828x360x868					
Net weight (kg)		115/57	170/63	171/64	223/71	73	118	122									
STANDARDS																	
Safety		IEC/EN62040-1,IEC/EN60950-1															
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8															

Specifications are subject to change without prior notice.



High Efficiency Mega Power Series

Market-Leading High Efficiency: Experience the industry's top-performing transformer-less UPS, delivering 50–200kVA with 3-level IGBT precision and Unity Power Factor.

High reliability design

- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305 Vac.

Power saving

- High input power factor, it can be up to 0.99.
- 3-level inverter topology, the efficiency can be up to 97.1%.

Parallel redundancy function

- Support parallel expanded operation: maximum is 6 units.
- Support sharing batteries for the UPS in parallel.

Flexible battery configuration

- Batteries number of each group can be selected from 30 pieces to 50 pieces.
- Large charging current can meet the requirement of long time backup.

Strong load capacity

- Output power factor is 1.0, UPS can supply power to 100%
- unbalance load.
- High adaptability for load, it can connect full inductive load or
- capacitive load.

Compatible with generator

- Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator.

LBS function

- LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system.

Intelligent management

- Support USB, RS485, RS232, SNMP, dry contact card.

Technical Specifications:

MODEL		HMPS 50	HMPS 60	HMPS 80	HMPS 100	HMPS 120	HMPS 150	HMPS 160	HMPS 180	HMPS 200
Capacity(VA/Watts)		50k/50k	60k/60k	80k/80k	100k/100k	120k/120k	150k/150k	160k/160k	180k/180k	200k/200k
INPUT										
Nominal voltage		380/400/415Vac (3Ph+N+PE)								
Operating voltage range		138~485Vac for 40% load; 305~485Vac for full-load								
Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)								
Power factor		≥0.99								
Harmonic distortion (THDi)		≤2.5% Linear load								
Bypass voltage range		Max.voltage:220V:±25% (Optional+10%,+15%,+20%) 230V:±20% (Optional+10%,+15%) 240V:±15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)								
Frequency protection range		50/60Hz±10%								
Generator input		Support								
Invertor/Rectifier Topolgy		Trasnformerless 3IGBT with PWM								
OUTPUT										
Output voltage		380/400/415Vac (3Ph+N+PE)								
Voltage regulation		±0.5%								
Power factor		1.0								
Output frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)								
	Bat. Mode	(50/60±0.2%)Hz								
Crest factor		3:1								
Harmonic distortion (THDv)		≤1.5% with linear load ≤2.5% with non linear load								
Overload	AC Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150%:turn to bypass immediately							Loads≤110%: last 60min, ≤125%: last 1min, >125%: last 1.2s	
	Bypass Mode	135% overload long time; >1000% overload 100ms								
EFFICIENCY										
Online/HFM		97.1%/99%								
BATTERY										
Battery type		LI-ion optional								
Battery voltage		Optional Voltage: ±180/±192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/ 46/48/50pcs optional); 360Vdc-600Vdc (30-50pcs, 30pcs default, 36-50pcs output power factor 1.0; 32-34pcs output power factor 0.9; 30pcs output power factor 0.8)								
Battery type		LI-ion optional								
Charge Current (charge current can be set according to battery capacity installed)		20A Max.		40A Max.				60A Max.		
SYSTEM FEATURES										
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms								
Backfeed protection		Support								
Alarm		Overload, utility abnormal, UPS fault, battery low, etc								
Protection		Short circuit, overload, over temperature, battery low, fan fault alarm								
Remote LCD		Support								
Communication		USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)								
ENVIRONMENTAL										
Operating temperature		0°C~40°C								
Storage temperature		25°C~55°C(No battery)								
Humidity range		0~95% (Non condensing)								
Altitude		<1500m, derating required when>1500m								
Noise level		<55dB	<58dB	<60dB	<62dB		<63dB	<64dB	<66dB	
PHYSICAL										
Dimension W xD xH (mm)		250 x 828 x 868					442 x 850 x 1200			
Net weight (kg)		80	83	140	160	170	200	205	215	220
STANDARDS										
Safety		IEC/EN62040-1, IEC/EN62477-1								
EMC		IEC/EN62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)								

Specifications are subject to change without prior notice.



Mega Power + Series

ONLINE DOUBLE CONVERSION UPS
10kVA To 500kVA (0.8 PF)
Three Phase input/output (3:3)

Features

- DSP-controlled technology
- Parallel redundancy up to 4 units
- Wide input voltage and frequency windows
- Easy-to-operate LCD display
- High power density up to 500kVA for space saving
- Unity power factor and low input distortion
- Output power factor at 0.8(0.9 optional)
- ECO mode for energy saving
- Common or separate battery
- Programmable battery voltage from $\pm 192\text{Vdc}$ to $\pm 240\text{Vdc}$
- Intelligent charge modes with smart charge current adjustment
- Megatec/Mod Bus protocol supported
- Powerful charger built in
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software



Control Panel

Technical Specifications:

MODEL		MPPS10K		MPPS15K		MPPS20K		MPPS30K		MPPS40K		MPPS60K		MPPS80K	
Capacity (VA/Watts)		10k / 8k		15k / 12k		20k / 16k		30k / 24k		40k / 32k		60k / 48k		80k / 64k	
INPUT															
Nominal voltage		380/400/415Vac, (3Ph+N+PE)													
Operating voltage range		208~478Vac													
Operating frequency range		40~70Hz													
Power factor		≥0.99													
Harmonic distortion (THDI)		2%(100% nonlinear load)													
Bypass voltage range		Max.voltage: 220v + 25%(optional+10%+15%+20%) 230v 20% (optional + 10%+15%) 240v 15%(optional + 10%) Min. Voltage: -45% (optional - 20%, -30%) Frequency protection range: ±10%													
Generator input		Support													
OUTPUT															
Output voltage		380/400/415Vac (3Ph+N+PE)													
voltage regulation		±2%													
Power factor		0.8%/0.9(Customized)													
Output frequency		1.line mode: ±1%/ ±2%/ ±4%/ ±5%/ ±10% of the rated frequency(optional) 2. Battery Mode: (50/60 ±0.2%)Hz													
Crest frequency		3:1													
Harmonic distortion (THD)		≤2% with linear load ≤5% with non linear load													
Efficiency		94.5%						95%							
BATTERY															
Battery voltage		Standard unit: ±216Vdc; Long run unit optional Voltage: ±192V/ ±204V/ ±216V/ ±228V/ ±240Vdc													
Battery type		12V/38Ah (Standard unit)													
Charge Current (A) (charge current can be set according to battery capacity installed)		5.7A (Max./Standard unit) 6.0A (Max./Long run unit)						12A (Max.)				18A (Max.)			
SYSTEM FEATURES															
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms													
Overload	Line Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% shut down UPS immediately													
	Bat. Mode	Load≤110%: last 10min,≤125%: last 1min,≤150%: last 5S,≥150% shut down UPS immediately													
Short circuit		Hold Whole Syetem													
Overheat		Line mode: Switch to Bypass; Backup Mode: shut down UPS immediately													
Low battery voltage		Alarm and switch off													
Self-diagnostics		Upon power on and software Control													
EPO (optional)		Shut down UPS immediately													
Battery		Advanced Battery Management													
Nose Suppression		Complies with EN62040-2													
Audible& Visual		Line Failure, Battery low, Overload, System Fault													
Status LED & LCD display		Line mode, Bypass Mode, Battery low, overload, System Fault													
Reading on the LCD display		input Voltage, input Frequency, output Voltage, output Frequency, load Percentage, Battery Voltage& inner Temperature													
Communication interface		RS232, RS485, Parallel, Intelligent slot, Relay card(optional), SNMP card(optional)													
ENVIRONMENTAL															
Operating temperature		0~40 °C													
Storage temperature		-25~55°C													
Humidity range Altitude		0~95% (Non condensing) <1500m													
Noise level		<55dB													
PHYSICAL															
Dimension D xW xH (mm)		780x600x1200													
Net weight (kg)		S:591 H:123	S:594 H:126	S:595 H:127	S:595 H:127	158		158		195					
STANDARDS															
Safety		IEC/EN62040-1,IEC/EN60950-1													
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8													

Specifications are subject to change without prior notice.

MODEL		MPPS110K		MPPS120K		MPPS160K		MPPS200K		MPPS300K		MPPS400K		MPPS500K	
Capacity (VA/Watts)		100k / 80k		120k / 96k		160k / 128k		200k / 160k		300k / 240k		400k / 320k		500k / 400k	
INPUT															
Nominal voltage		380/400/415Vac, (3Ph+N+PE)													
Operating voltage range		208~478Vac													
Operating frequency range		40~70Hz													
Power factor		≥0.99													
Harmonic distortion (THDI)		3%(100% nonlinear load)													
Bypass voltage range		Max.voltage: 220v + 25%(optional+10%+15%+20%) 230v 20% (optional + 10%+15%) 240v 15%(optional + 10%) Min. Voltage: -45% (optional - 20%, -30%) Frequency protection range: ±10%													
Generator input		Support													
OUTPUT															
Output voltage		380/400/415Vac (3Ph+N+PE)													
voltage regulation		±1%													
Power factor		0.8%/0.9(Customized)													
Output frequency		1.line mode: ±1%/ ±2%/ ±4%/ ±5%/ ±10% of the rated frequency(optional) 2. Battery Mode: (50/60 ±0.2%)Hz													
Crest frequency		3:1													
Harmonic distortion (THD)		≤2% with linear load ≤5% with non linear load													
Efficiency		94.5%								95%					
BATTERY															
Battery voltage		Standard unit: ±216Vdc; Long run unit optional Voltage: ±192V/ ±204V/ ±216V/ ±228V/ ±240Vdc													
Charge Current (A) (charge current can be set according to battery capacity installed)		24A(MAX)		36A(MAX)		50A(MAX)		80A(MAX)		100A(MAX)		130A(MAX)			
SYSTEM FEATURES															
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms													
Overload	Line Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% shut down UPS immediately													
	Bat. Mode	Load≤110%: last 10min,≤125%: last 1min,≤150%: last 5S,≥150% shut down UPS immediately													
Short circuit		Hold Whole Syetem													
Overheat		Line mode: Switch to Bypass; Backup Mode: shut down UPS immediately													
Low battery voltage		Alarm and switch off													
Self-diagnostics		Upon power on and software Control													
EPO (optional)		Shut down UPS immediately													
Battery		Advanced Battery Management													
Nose Suppression		Complies with EN62040-2													
Audible& Visual		Line Failure, Battery low, Overload, System Fault													
Status LED & LCD display		Line mode, Bypass Mode, Battery low, Battery bad, overload &UPS Fault													
Reading on the LCD display		input Voltage, input Frequency, output Voltage, output Frequency, load Percentage, Battery Voltage& inner Temperature													
Communication interface		RS232, RS485, Parallel, Intelligent slot, Relay card(optional), SNMP card(optional)													
ENVIRONMENTAL															
Operating temperature		0~40 °C													
Storage temperature		-25~55°C													
Humidity range		0~95% (Non condensing)													
Altitude		<1500m													
Noise level		70dB								73dB					
PHYSICAL															
Dimension D×W×H (mm)		780x600x1600				850x600x1600				850x600x2000				850x1200x2000	
Net weight (kg)		286	288	348	380		600		815		860				
STANDARDS															
Safety		IEC/EN62040-1,IEC/EN60950-1													
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8													

Specifications are subject to change without prior notice.

A person is standing in a server room, looking at a rack of servers. The room is filled with rows of server racks, and the lighting is dim, with some blue and green lights visible on the equipment.

**Offers High Quality...
Long Life Products and Full Service to**

The World..



Power Expand Series

More Power, More Efficiency, Less Space..
Hot Swappable Modular UPS..
PAY AS YOU GROW
10~1560kVA

PEX-PM10kVA	PEX-PM20kVA Power Module
PEX10-30kVA	PEX20-60kVA
PEX10-50kVA	PEX20-100kVA
PEX10-100kVA	PEX20-200kVA

Features

- Hot swap batteries and modules
- High frequency and double conversion on-line technology
- Advanced PFC technology
- 3U frame, rack-mounted and tower convertible
- EPO function
- Wide input voltage range
- Fully digitized microprocessor control
- Parallel redundancy
- Advanced battery management
- Lightning and surge protection, short circuit and overload protection
- Multilingual LCD and LED display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot



UPS Cabinet
Control Panel



Module Control
Panel

single module(3U)



10KVA / 20KVA 3:3 phase



Battery Cabinets
(Optional)



3 U Battery Box
Optional

Technical Specifications:

MODEL		PEX10-60KVA		PEX10-100KVA	PEX10-200KVA
Capacity(VA/Watts)	UPS cabinet	10~60k / 9~54k		10~100k / 9~90k	10~200k / 9~180k
	HPM module	10k / 9k, 20k / 18k			
INPUT					
Nominal voltage		380/400/415Vac, (3Ph+N+PE)			
Operating voltage range		208~478Vac			
Operating frequency range		40~70Hz			
Power factor		≥0.99			
Bypass voltage range		Max.voltage: 220v +25%(optional +10%,+15%,+20%) 230v 20% (optional +10%,+15%) 240v 15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency protection range: ±10%			
Harmonic distortion (THDi)		2%(100% nonlinear load)			
Generator input		Support			
OUTPUT					
Output voltage		380/400/415Vac, (3Ph+N+PE)			
Voltage regulation		±1%			
Power factor		0.9			
Output frequency		1.Line Mode: ±1%,±2%,±4%,±5%,±10% of the rated frequency (optional) 2.Battery Mode: (50/60±0.1%)Hz			
Crest factor		3:1			
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non linear load			
Efficiency		96.5%			
BATTERY					
Battery voltage		±192\±204\±216\±228\±240Vdc; battery quantity(optional)			
Charge current	UPS cabinet	18A (Max)		30A (Max)	60A (Max.)
	HPM module	6A (Max.) (charge current can be set according to battery capacity installed)			
Backup time		Depends on the capacity of external batteries			
SYSTEM FEATURES					
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms			
Overload	Line Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% turn to bypass mode immediately			
	Bat. Mode	Load≤110%: last 10min,≤125%: last 1min, ≤150%: last 1S,≥150% shut down UPS immediately			
	Bypass Mode	Breaker (10kVA: 20A / 20kVA:40A)			
Short circuit		Hold whole system			
Nose suppression		Complies with EN62040-2			
Communication interface		1. UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2(SNMP card,Relay card optional) 2. PEX series UPS module: RS232			
ENVIRONMENTAL					
Operating temperature		0°C~40°C			
Storage temperature		-25°C~55°C			
Humidity range		0~95% (non-condensing)			
Altitude		<1500m			
Noise level		<65dB			
PHYSICAL					
Dimension D×W×H (mm)	UPS cabinet	840×600×1400		1100×600×2000	
	HPM module	443×580×131 (3U)			
Net weight (kg)	UPS cabinet	149	152	290	
	UPS cabinet	10kVA/26; 20kVA/31			
STANDARDS					
Safety		IEC/EN62040-1,IEC/EN60950-1			
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			

Specifications are subject to change without prior notice.



power expand plus series

Power range: 50~1200kVA (3-Level PF: 1.0)

Mode: 3 phase input and 3 phase output

Module: 50/60kVA

Modular Design

- All units adopt modular design, including power module, bypass module, monitoring module, can be easily integrated.
- Power module, Bypass module, Monitoring module, ECU control module, all these modules are hot-swappable

High Reliability

- Wide input voltage range, line voltage range is 138-485V, UPS will derate to 40% when input voltage is below 305V.
- UPS adopts multiple digital bus and redundancy parallel control system, making sure the whole system keep online if any single circuit fail.
- The UPS will keep on single or parallel working, if any module fail.
- Thickened conformal coating, applicable for harsh environment such as high heat, high humidity, dust.

Green and Power Saving

- High input power factor, it is up to 0.99.
- 3-level topology design, online efficiency up to 96%
- THDi<3% (100% linear load).
- The UPS will work in sleeping mode when the load is very small (Settable).

LBS Function

- LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system.

VRLA & Lithium Battery Supportable

- Compatible with VRLA or lithium battery

Parallel Redundancy Function

- Support parallel expanded operation: maximum is 8 units
- Support sharing batteries for the UPS in parallel

Strong Load Capability*

- Output power factor is 1.0, UPS can supply power to 100% unbalanced load.
- High adaptability for load, it can connect full inductive load or capacitive load.

Intelligent Management

- With 7 inches (Standard) and 10 inches (Optional) colorful touch LCD screen.
- Support recording and exporting history logs and fault logs.
- Support SNMP, RS232, RS485, BMS, Dry contact interface.
- Support upgrading FW&SW on line (In bypass mode)
- EPO & REPO function.

Compatible with Generator

- Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator

Technical Specifications:

MODEL		PEXP50	PEXP60
Capacity(VA/Watts)	UPS cabinet	200~1000k	300~1200k
	HPM module	50	60
	Max. Number	4/6/8/10/12/16/20	5/10/14/18/20
Max. Parallel Number		8	
INPUT			
Nominal voltage		380/400/415Vac, (3Ph+N+PE)	
Operating voltage range		138~305 for 40% load; 305~485 for 100% load	
Power factor		≥0.99	
Harmonic Distortion (THDi)		≤3% (100% Linear load)	
Bypass voltage range		Max. voltage: 220: +25% (Optional+10%, +15%, +20%) 230: +20% (Optional+10%, +15%), 240: +15% (Optional+10%) Min. voltage: -45% (Optional-10%, -15% -20%, -30%)	
Bypass Frequency Range (Hz)		50/60±10%	
OUTPUT			
Nominal Voltage (Vac)		380/400/415 (3Ph+N+PE)	
Voltage Regulation		±1%	
Output Frequency (Hz)		Line mode: Synchronize with input, when the input frequency >±10% (±1%/±2%/±4%/±5% optional), output 50/60 (±0.1z); Bat. mode: (50/60±0.1%)	
Crest Factor		3:1	
Harmonic Distortion (THDv)		≤2% with linear load; ≤4% with nonlinear load	
Overload	Inverter mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter	
	Bypass mode	30°C: 135% for long term; 40°C: 125% for long term; >1000%, 100ms	
EFFICIENCY*			
AC Mode		Up to 96%	
ECO Mode		Up to 99%	
HECO Mode		Up to 99%	
BATTERY			
Battery Type		VRLA/Li-ion	
Battery Voltage (Vdc)		360~600	
Charging Current (Max.)(A)		20	
MANAGEMENT			
LCD Display		Line voltage, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault	
Alarm		Line Failure, Battery Low, Overload, System Fault	
Communication Ports		RS232, RS485, Parallel, LBS, BMS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional)	
SYSTEM FEATURES			
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Self-diagnostics		Upon Power On and Software Control	
Generator Input		Support	
EPO		Shut down UPS immediately	
ENVIRONMENTAL			
Operating Temperature (°C)		0~40	
Storage Temperature (°C)		-25~55	
Humidity Range		0~95% (Non condensing)	
Altitude (m)		<1000, derating required when >1000	
Noise Level (dB)			<73
PHYSICAL			
Dimension WxDxH (mm)	UPS Cabinet (S/F)	200/300/400kVA: 600×850×2000 500/600kVA: 1200×850×2000 800/1000kVA: 2000×850×2000	300kVA: 600×850×2000; 600kVA: 1200×850×2000 840/1080kVA: 2000×850×2000; 1200kVA: 2200×850×2000
	Power Module	440×620×130	
Weight (kg)	UPS Cabinet	200kVA: 270; 300kVA: 290; 400kVA: 310; 500kVA: 650; 600kVA: 720; 800kVA: 980; 1000kVA: 1080	300kVA: 290; 600kVA: 720; 800kVA: 980; 1080kVA: 1080; 1200kVA: 1200
	Power Module	34	35
STANDARDS			
Safety		IEC/EN 62040-1, IEC/EN 62477-1	
EMC		IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)	
Performance		IEC 62040-3: 2021, EN IEC 62040-3: 2021	



Knight Series

Hybrid/off grid Solar Inverter
3.6kW/6kw

Safety

- 6kV lightning protection
- DC – DC high frequency isolating converter (Battery)
- Waterproof PV terminal

Green

- Up to 93.5% efficiency
- Output power factor is 1.0
- Intelligent cooling fan control
- Low THDv

Reliable

- Widely input voltage of AC and PV
- Pure sine wave output
- Compatible with generator
- Built-in Intelligent temperature sensors
- Dust cleaning alarms and dust-proof kit

Fast charging

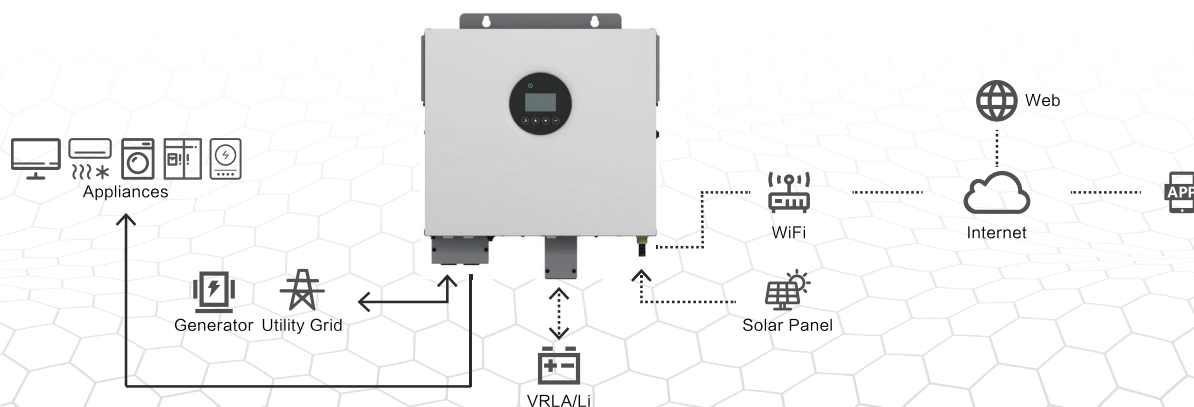
- PV and AC charging current is up to 120A
- Intelligent charging (Multiple charging modes)

User-friendly

- Dot-matrix screen and physical button
- Built-in WiFi module (Optional)
- APP support (Optional)
- Built-in PV terminal for easy installation

Applications

- Support home appliances/office equipment/lighting equipment etc.
- Support lead-acid and lithium-ion battery
- Max. 6 units in parallel
- RS232/USB/Dry Contact



Technical Specifications:

MODEL Input (AC)		Knight 3600-24		Knight 3600-48		Knight 6000-48	
Nominal voltage		220/230/240Vac					
Selectable Voltage Range		170~280Vac (For Personal Computers) 90~280Vac (For Home Appliances)					
Frequency		50/60Hz (Auto Detection)					
Power factor		>0.9					
AC Switch		Optional					
Generator Input		Support					
PV String Input(DC)							
Max PV Array Open Circuit Voltage Range		500Vdc					
Nominal Voltage		240Vdc				500Vdc	
Start-up Voltage		120Vdc					
Initial Feeding Voltage		150Vdc					
MPPT Voltage Range		120Vdc~450Vdc					
Number of MPPT Trackers		1					
Max. PV Array Short Circuit Current		18A				27A	
Maximum PV Input Power		4000W				6700W	
DC Switch		Optional					
AC Output							
Nominal AC Output Power		3600W		3600W		6000W	
Nominal AC Voltage		220/230/240Vac					
Output Voltage Range		184~264.5Vac or 195.5~253Vac (Selectable)					
AC Grid Frequency Range		50/60Hz±5Hz					
Max. Output Current		15.7A				26.1A	
Power Factor(cos)		0.8leading~0.8lagging					
Battery Mode To Grid Efficiency(Peak)		93.5%					
AC Output(Backup)							
Nominal output Power		3600W / 3600VA		3600W / 3600VA		6000W / 6000VA	
Nominal Voltage (Batt. Mode)		220 / 230(Default) / 240Vac ± 5%, User Settable					
Inverter Voltage Range (PV Mode Narrow)		184 - 264Vac					
Inverter Voltage Range (PV Mode Wide)		100V~264Vac					
Inverter Voltage Range (PV Mode Rated)		220 / 230(Default) / 240Vac ± 5%, User Settable					
Nominal Frequency (Hz)		50(Default) / 60, User Settable					
Transfer Time		10ms typical,15ms max(For Personal Computers) / 20ms typical, 25ms max (For Home Appliances)					
Waveform		Pure sinewave					
Battery Mode To Backup Efficiency(Peak)		93.5%					
Battery And Charge							
Norminal Votage(LiFePO4)		25.6V		51.2V		51.2V	
Norminal Votage(Lead Acid)		24V		48V		48V	
Max. AC charge Current		100A		60A		100A	
Max. Solar Charge Current		120A		60A		120A	
Max. Charge Current(Solar + AC Charge Current)		120A (User selectable)		120A (User selectable)		120A (User selectable)	
Interface & Mechanical							
Display		LCD & LED					
Parallel Function		6 units					
Communication Interface		RS232 / USB / Dry Contact / Optional:RS485 / CAN / WIFI					
Dimension (D*W*H)		134.0×427.5×460.8 mm					
Net Weight		11.7kg		11.8kg		13.4kg	
Protection							
Anti-islanding Protection	Output Over-current Protection	PV Rerverse Polarity Protection	Ground Fault Circuit Interrupter	Insulation Detection	AC/DC Surge Protection		
Yes	Yes	Yes	Yes	Yes	DC Type II; AC Type III		
General Specifications							
Operating Temperature		-10°C ~ 50°C					
Storage Temperature		-15°C ~ 60°C					
Relative Humidity		5%~ 95%, non-condensing					
Altitude		<3000m					
Protection Degree		IP21					
RoHS		Yes					
Certification & Standard		IEC / EN 62109-1&2; IEC / EN 61000-6-1&2&3&4; IEC / EN 61000-3-11; EN 61000-3-12					

Specifications are subject to change without prior notice.

MONITOR

Software

RUPS2000

RUPS 2000 is a UPS monitoring and controlling software that continuously checks the status of system AC power and UPS battery condition both of local and network UPS. Combined with ClientMate, RUPS 2000 could be as a server software, and let the Clientmate get UPS status from RUPS 2000. In the event of any abnormal condition, RUPS 2000 will send out warning message to inform user and even shut down the system after a pre-setting delay time after power failure. In using RUPS 2000, there will be no distance problem and makes work efficient. When any power event occurred, RUPS 2000 will do automatic files saving, system shut down, and also send email, pager notification. User will no longer have problems with the system and date on system power failure.

Furthermore, RUPS 2000 supports Windows NT Service function, RUPS 2000 will be enable when Windows NT boot up even if there is no users login the server. Design for contact closure interface UPS, monitoring power failure and low battery Supported OS: Novell Netware, DOS, WINDOWS 3.x/9x/NT.



MONITOR

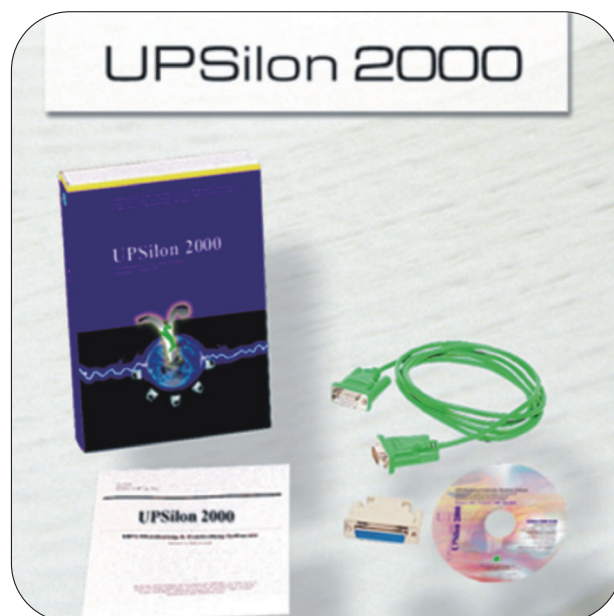
Software

UPSilon 2000

UPSilon 2000 is a monitoring and controlling software for smart UPS with RS232. When the power is normal, UPSilon 2000 will display real UPS status in analog diagram display. It can also monitor remote UPS with the use of the intranet/internet. Combined with ClientMate, UPSilon 2000 could be a server software, and let ClientMate get UPS status from UPSilon 2000, therefore, there will be no distance-problem and makes work efficient. When any power event occurred, UPSilon 2000 can do automatic files saving, systems shutdown, and also send email, pager notification. User will no longer have problems with the system and data on system power failure.

Furthermore, UPSilon 2000 has also the Windows Service Function, UPSilon 2000 will be enable when Windows NT boot up even if no users login the

server. ClientMate supports RUPS 2000, UPSilon 2000 and SNMP Agent, as a workstation software it is able to auto detect host in network, and monitor main UPS status. In the floating status/alert display, user could real-time monitor server UPS, in case of any power event, ClientMate will auto save files and safely shutdown operating system. In the internet world, it is more necessary to have 24-hours system protection, data and message receiving. The strong features of UPSilon 2000 and ClientMate will become the best solution for your UPS Supported OS: Novell Netware 3X, 4X, 5X, WINDOWS 9x/NT/2000/Vista.



MONITOR

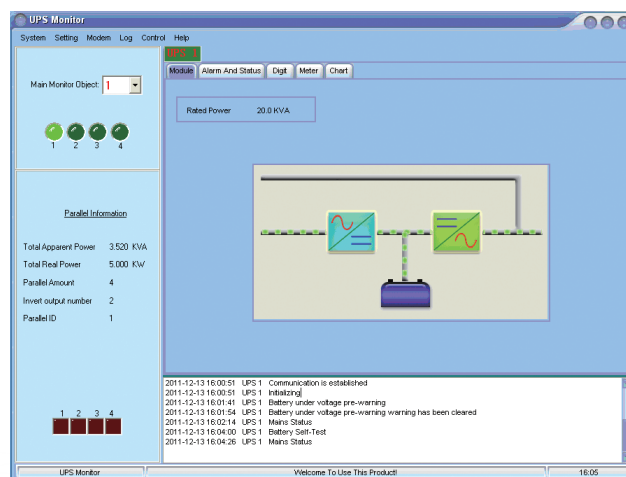
Muser1000 is a monitoring and controlling software for the type of YDC(three phase of input and output,one phase of input and output) UPS.

Supported OS: Microsoft Windows 98/ 2000/ NT / Me / XP.

Method of Communication: serial communication.

The function of Muser1000:

- Display real UPS Status in analog diagram display and display by Chinese or English.
- Set UPS rating parameter, turn on/off UPS and make the battery self-testing.
- Support both LCD and monitor card.
- Do automatic files of event and real data of UPS. recording,export all events or data of log.
- Set the computer is dormancy or not when the battery is low.
- Monitor remote UPS with the use of Modem.



MONITOR

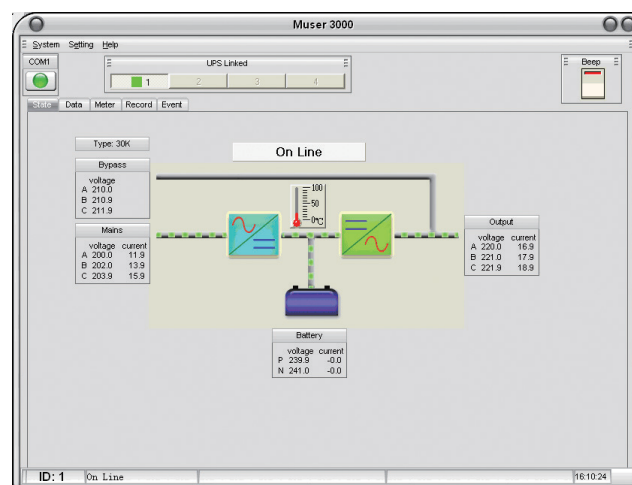
Muser3000 is a monitoring and controlling software for the type of Hipower (three phase of input and output) UPS.

Supported OS: Microsoft Windows 98/ 2000/ NT / Me / XP.

Method of Communication: serial communication.

The function of Muser3000:

- Display real UPS Status in analog diagram display and display by Chinese or English.
- Set UPS rating parameter, turn on/off UPS and make the battery self-testing.
- Do automatic files of event and real data of UPS recording, export all events or data of log.





MONITOR

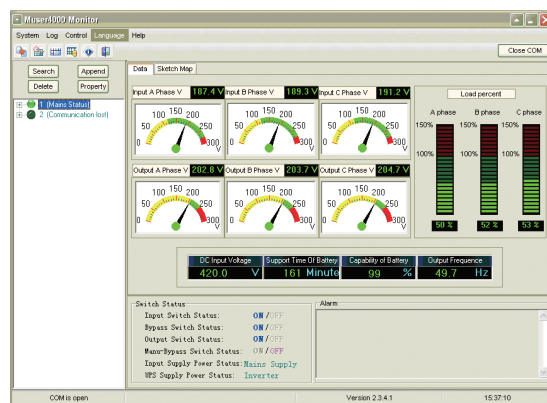
Muser4000 is a monitoring and controlling software for the High Power UPS and Modularization UPS.

Supported OS: Microsoft Windows 98/ 2000/ NT / Me / XP.

Method of Communication: serial communication.

The function of Muser4000:

- Display real UPS Status in analog diagram display and display by Chinese or English.
- Set UPS rating parameter and make the battery self-testing.
- Do automatic files of event and real data of UPS recording, export all events or data of log.





INFINITY POWER ELEKTRİK VE ELEKTRONİK
SİSTEMLER SAN. İÇ VE DIŞ TİC.
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Istanbul, Turkey
+90 212 689 86 84
www.infinitypowerworld.com
info@infinitypowerworld.com

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Our Power is
Powerful
