

Online Modular UPS

PS Series

06KVA ~ 24KVA
 10KVA ~ 40KVA
 1Ph In / 1Ph Out
 3Ph In / 1Ph Out
 3Ph In / 3Ph Out

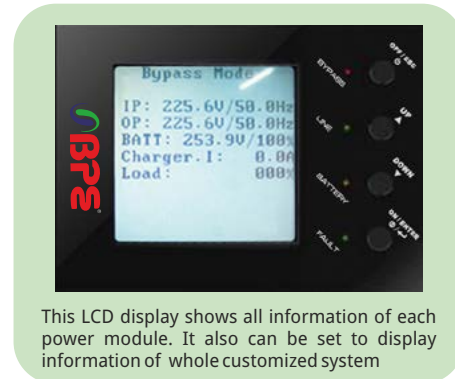
TECHNOLOGY
IGBT²
 SAVE ENERGY



PS Series, Modular UPS combines the modular design with the N + X parallel redundancy technology.

Features:

- Double-conversion, True online UPS
- Modular connector box with hot-swappable design for ease of power expansion, installation and maintenance.
- Standard 19" form factor with tower/rack convertible design
- Parallel operation with common battery
- Adjustable battery design (32~40 Nos. of 12V Battery)
- DSP technology guarantees high reliability
- Input power factor 0.99
- Output power factor 1.0
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Generator compatible
- Customized system for 4 Module
- Each module can configure to work, 1Ph / 1Ph, 3Ph / 1Ph, 3Ph / 3Ph



17U Rack with Display



Customized System 06KVA to 40KVA

Cabinet Height	17U	
Number of Power Module	4	2
Number of Battery Module	0	2

*This customized system will be embedded 1U centralized communication unit.

▶ Technical Specifications of each 06KVA / 10KVA Module (3U)

MODEL	PS1106M3U	PS1110M3U	PS3106M3U	PS3110M3U	PS3306M3U	PS3310M3U
PHASE	1 Phase In / 1 Phase Out		3 Phase In / 1 Phase Out		3 Phase In / 3 Phase Out	
CAPACITY (KVA)	06	10	06	10	06	10
PARALLEL CAPABILITY	Yes					
INPUT						
Nominal Voltage	220V / 230V / 240V AC (1Ph+N+PE)		380V / 400V / 415V AC (3Ph+N+PE)			
Voltage Range	110V~300V AC Load Dependent		190V~520V AC Load Dependent			
Frequency Range	50~60Hz ± 20% (Auto Sensing)					
Power Factor	≥ 0.99					
THDi	< 3% @ Linear Load					
OUTPUT						
Output Voltage	220V / 230V / 240V AC (L+N)				380V / 400V / 415V AC (3Ph+N)	
AC Voltage Regulation	± 1%					
Frequency Range	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50 / 60 Hz ±0.1Hz Battery Mode					
Crest Factor / Power Factor	3:1 (max.) / 0.8 Standard, 0.9 / 1.0 (Optional)					
Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)					
Transfer Time	Zero					
Waveform	Pure Sinewave					
Over Load	≤ 125% for 10 min., ≤ 150% for 1 min., ≥ 150% for 200 ms					
Efficiency	Up to 95% Dual Conversion Mode, 99% ECO Mode					
BATTERY CHARGER						
Nominal Voltage	± 192V (12V x 32 pcs)					
Battery Quantity	16 ~ 20 pcs (adjustable) x 2					
Typical Recharge Time	8 hours to 90% capacity					
SYSTEM FEATURES						
Transfer Time	Zero					
IP Protection	IP 20					
Alarm / Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC Bus Under/Over Voltage and Battery Low					
LED / LCD Display	UPS status, Load % / VA / W, Battery level, Input/Output voltage, Discharge timer, and Fault Code					
STANDARDS						
Quality	ISO 9001, ISO 14001, OHSAS 18001, ISO 27001, RoHS					
Safety	IEC/EN62040-1					
EMC/ Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE					
PHYSICAL						
Rack	Dimension	858x443x840 (WxDxH mm) (19U)				
	Weight	71.5 Kgs				
UPS Module	Dimension	615x418x132 (WxDxH mm) (3U)				
	Weight	22 Kgs				
ENVIRONMENT						
Temperature	Operating: 0 ~ 45°C, Storage: -10 ~ 55°C					
Humidity / Altitude	0-95% RH Non-condensing / <1500 m					
Noise	Low Audible Noise Level					
COMMUNICATION						
Standard	RS-232					
Optional	SNMP / ModBus / Dry Contact / USB / RS-485					
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000					

*Specifications are subject to change without prior notice.