

PS 12 Series

- 04kVA ~ 12kVA
- 06kVA ~ 24kVA
- 10kVA ~ 40kVA
- 12kVA ~ 48kVA
- 1Ph In / 1Ph Out
- 3Ph In / 1Ph Out
- 3Ph In / 3Ph Out



Applications:

For all kind of ADP Machines

PS 12 Series, Modular UPS combines the modular design with the N + X parallel redundancy technology.

Features:

- Online Double Conversion with 3 Level IGBT Based Rectifier & Inverter Topology
- Modular UPS with hot-swappable design
- Customized system with 4 slots
- 4kVA, 6kVA, 10kVA, 12kVA power modules
- Adjustable battery design (32~40 Nos. of 12V Battery)
- DSP technology guarantees high reliability
- Input power factor ≥ 0.99
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Generator compatible
- Efficiency 96.8%, ECO mode up to 99%
- 7 inch LCD on Cabinet, 4 inch LCD on each Module



7 inch LCD



Rack in Module

Customized System 04kVA to 48kVA

Cabinet Height (usable space)	17U		
Number of Power Module	4	2	1
Number of Battery Module	0	2	3
kVA, Module	16 / 24 / 40 / 48kVA		

Note: This customized system will be embedded 1U centralized communication unit (in the rack)



SPECIFICATION OF RACK

MODEL	PS12R4MU17		
PHASE	1 Phase In / 1 Phase Out	3 Phase In / 1 Phase Out	3 Phase In / 3 Phase Out
Rating (kVA) Maximum	48	48	48
Max. Power Module No.	4 Module		
Dimension WxDxH (mm)	858x443x840 (WxDxH mm)		
Weight (Kg)	71.5 Kgs		
LC Display	7inch		

SPECIFICATION OF MODULE

MODEL	PS121104	PS121106	PS121110	PS1112	PS123104	PS123106	PS123110	PS123112	PS123304	PS123306	PS123310	PS123312
PHASE	1 Phase In / 1 Phase Out				3 Phase In / 1 Phase Out				3 Phase In / 3 Phase Out			
CAPACITY (kVA)	04	06	10	12	04	06	10	12	04	06	10	12
PARALLEL CAPABILITY	Yes, 4 Module											

INPUT	
Nominal Voltage	220V / 230V / 240V AC (1Ph+N+PE) / 380V / 400V / 415V AC (3Ph+N+PE)
Voltage Range	110V~300V AC Load Dependent / 208V~480V AC Load Dependent
Frequency Range	50~60Hz ± 20% (Auto Sensing)
Power Factor	≥ 0.99
THDi	≤ 3%

OUTPUT	
Output Voltage, Regulation	220V / 230V / 240V AC (L+N) ± 1% / 380V / 400V /15V AC (3Ph+N)
Power Factor	1.0 for 4/6/10kVA module , 0.9 for 12kVA module
Frequency Range	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50 / 60 Hz ±0.1Hz Battery Mode
Crest Factor	3:1 (max.)
Harmonic Distortion	≤ 1 %
Transfer Time	Zero
Waveform	Pure Sinewave
Overload	≤ 125% for 10 min., ≤ 150% for 1 min., > 150% for 200 ms
Efficiency	96.8% Dual Conversion Mode, 99% ECO Mode

BATTERY CHARGER	
Nominal Voltage	± 192V (12V x 32 Nos.)
Battery Quantity	32 ~ 40
Typical Recharge Time	8 hours to 90% capacity

Rack with UPS	
IP Protection	IP20 / IP21 (Optional)
Alarm / Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC Bus Under/Over Voltage and Battery Low
LED / LCD	UPS status, Load % / VA / W, Battery level, Input/Output voltage, Discharge timer, and Fault Code
Display	7 inch LCD Display on Rack, 4 inch LCD on each module

STANDARDS	
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 50001, RoHS
Safety	IEC/EN62040-1
EMC/ Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE

PHYSICAL		
UPS Module	Dimension	615x418x132 (WxDxH mm) (3U)
	Weight	22 Kgs

ENVIRONMENT	
Temperature	Operating: 0 ~ 50°C*, Storage: -10 ~ 55°C
Humidity / Altitude	0-95% RH Non-condensing / <1500 m
Noise	≤55dBA

COMMUNICATION	
Standard	RS232
Optional	SNMP / ModBus / Dry Contact / USB / RS485
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000

* Conditions apply. Specifications are subject to change without prior notice.