

ONLINE UPS

PS SERIES

(6 - 50 KVA)

APPLICATION:

PS Series UPS is kind of modular ups produced by ABP the modular design with the N + X parallel redundancy technology. The hot-swap technology is used between the module and the enclosure which greatly reduce the maintenance time for system. IT also adopts large touchable LCD and menu design, so all the information about UPS can be monitored through the LCD, which helps to get the operation clearly, each module has both the LCD and LED display, which allows the users to get the work status and operating parameters intuitively. The PS series UPS adopts the advance DSP digital control technology. Each module uses a separate control panel, so it will easily remove from the UPS system when it is failed, which makes the system more stable and reliable.



FEATURES:

- High Frequency and double conversion on-line Technology.
- Advanced PFC technology, >0.99
- 3U frame, rack-mounted and tower convertible
- EPO function
- Wide input voltage range
- Fully digitized DSP control
- Inbuilt Parallel redundancy
- Advanced Battery Management
- Lightning and surge protection, short circuit and overload protection.
- Multilingual LCD and LED display
- EMI/RFI noise filter
- Smart RS 232 communication with monitoring software
- Optional SNMP card slot
- Paralleling of rack upto 4
- Inbuilt granular power Paralleling
- Being Output power factor is 1 all KVA module are KW rated.

Technical Specifications

Rating	1-10 KVA	5-20 KVA	10-100 KVA			
	Single Phase input & Single phase Output	Three Phase input & Single phase Output	Three Phase input & Three phase Output			
INPUT	220/230 Vac	308/-400/415 Vac, (3Ph+N+PE)				
Nominal Voltage	120-276 Vac	208-478Vac				
Operating Voltage range	40Hz - 70Hz					
Operating frequency range	≥0.99					
Power factor	5% (100% nonlinear load)		2% (100% nonlinear load)			
Harmonic distortion (THDi)						
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%					
Generator Input	Support					
Output						
Rated Voltage	220 / 230 Vac		380 / 400 415 Vac, (3Ph + N + PE)			
Power factor	10 (6KVA=6KW, 10 KVA=10KW, 20KVA=20KW, 30 KVA=30KW, 40 KVA=40 KW)					
Voltage regulation	± 1%					
Output frequency	± 1% / ± 2%/± 4%± 5%/± 10% of the rated frequency (Selectable) Mains Mode (50/60 ± 0.1%) Hz Free Running					
Isolation transformer	Available					
Crest factor	3:1					
Harmonic distortion (THD)	≤2% with linear load, ≤5% with non linear load					
Efficiency	94.0%		96.0%			
BATTERY						
Battery Voltage	±96V / ±108V / ±120VdC		±192V±204V±216V±228V±240Vdc			
Charge Current (A)	6A (Max) per module, (Charge Current can be set according to battery capacity installed)					
SYSTEM FEATURES						
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms					
Overload	Load≤ 110%: last 600min, ≤ 125%: last 10min, ≤ 150%: last 1 min					
Short Circuit	Hold Whole System					
Overheat	Line Mode : Switch to Bypass; Backup Mode : Shut down UPS immediately					
Noise Suppression	Complies with EN62040-2					
Audible & Visual alarms	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, Output, Battery, Command, Setting, Maintenance					
Communication interface	RS232, RS485, Paraleil, Intelligent Slot, Relay card(optional), SNMP card (Optional), Battery temperature sensor (optional)					
ENVIRONMENTAL						
Operating temperature	0°C-40°C					
Storage temperature	-25°C-55°C					
Humidity range	0~95% (non condensing)					
Altitude	< 1500m					
Noise level (from 1M distance)	<55dB		<65 dB upto 300 KVA, <73 DB above 300 KVA			
STANDARDS						
Safety	IEC / LN62040-1, 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					
Model with Capacity	Power Rack Description	All Module size (3U) WxDxH in mm =580x 443x 131	Module Net wt. In Kg	Configuration of modules In Power rack	UPS Rack Dimension (WxDxH) mm	Max capacity UPS Net Wt. In Kg.
Power Rack Detail (1/1)						
PS1106-30KVA/KW	30KVA UPS Cabinet	6KVA (1in 1out)	23	for max. 5 x 6KVA Modules	600 x840x1400 (1.4m Frame)	138
PS1106-50KVA/KW	30/50 KVA UPS Cabinet	10KVA (1in 1out)	25	for max. 5 x 6/10KVA Modules		150
Power Rack Detail (3/1)						
PS3106-30KVA/KW	30 KVA UPS Cabinet	6KVA (3in 1out)	23	for max. 5 x 6KVA Modules	600 x840x1400 (1.4m Frame)	138
PS3106-50 KVA/KW	30/50 KVA UPS Cabinet	10KVA (3in 1out)	25	for max. 5 x 6/10KVA Modules		150
PS3106-100KVA/KW	60/100 KVA UPS Cabinet	6/10KVA (3in 1out)	23/25	for max. 10 x 6/10KVA Modules	600 x840x1400 (1.4m Frame)	213
Power Rack Detail (3/3)						
PS3310-60KVA/KW	40/600 KVA UPS Cabinet	10/15/20KVA (3in 1out)	26	for max. 4 x 10/15KVA on (3+1)x 20KVA Modules	600 x840x1400 (1.4m Frame)	143
PS3310-100KVA/KW	50/75/100KVA UPS Cabinet	10/15/20KVA (3in 3out)	30	for max. 5 x 10 / 15 / 20KVA Modules	600 x1100x2000 (2m Frame)	152
PS3310-200KVA/KW	100/150/200KVA UPS Cabinet	10/15/20KVA (3in 3out)	31	for max. 10 x 10 / 15 / 20KVA Modules		290
PS3325-90KVA/KW	90KVA UPS Cabinet	25/30KVA (3in 3out)	32	for max. (3+1)25/30KVA Modules	600 x840x1400 (1.4m Frame)	158
PS3325-150KVA/KW	125/150KVA UPS Cabinet	25/30KVA (3in 3out)	13.5	for max. 5 x 25/30KVA Modules		170
PS3325-300KVA/KW	250/100KVA UPS Cabinet	25/30KVA (3in 3out)	13.5	for max. 10 x 25/30KVA Modules	600 x1100x2000 (2m Frame)	307
PS3340-200KVA/KW	200 KVA UPS Cabinet	40KVA (3in 3out)	13.5	for max. 5 x 40KVA Modules	600 x860x1600 (1.6m Frame)	420
PS3340-320KVA/KW	320 KVA UPS Cabinet	40KVA (3in 3out)	34	for max. 8 x 40KVA Modules	600 x860x2000 (2m Frame)	552
PS3340-400KVA/KW	400 KVA UPS Cabinet	40KVA (3in 3out)	34	for max. 10 x 40KVA Modules	1200 x860x2000 (2m Frame)	758
PS3340-520KVA/KW	520 KVA UPS Cabinet	40KVA (3in 3out)	34	for max. 13 x 40KVA Modules	1200 x860x2000 (2m Frame)	860
for PS33800, Parallel 2no. PS33400, for PS331040, Parallel 2no. PS33520, for PS331560, Parallel 3no. PS33520						

for PS33800, Parallel 2no. PS33400, for PS331040, Parallel 2no. PS33520, for PS331560, Parallel 3no. PS33520

* Specification are subjected to change without prior notice.