

## PS Series Modular UPS

20-300kVA  
(380V/400V/415V)  
3:3 Phase 0.9PF

10.4" Touch Screen



600mm

1100mm

Three units in parallel

RoHS CE



PS series is modular True online UPS for sensitive equipments. The single cabinet power rating covers from 20kVA to 300kVA with the latest 3Level IGBT, DSP control technology.

The PS series delivers the best combination of reliability, hot-swappable and flexibility. The PS series modular UPS provides the most compact footprint of less than 2 sqm with maximum capacity upto 900kVA.

PS series is considered to be the best power protection solution for large data centres, as well as for PC & server, storage and Telecom Network equipments.

### Features:

- True Online Double Conversion (VFI-SS-111),
- Lower space and weight
- Excellent power capability, up to 900kVA without additional tools
- 20 / 25 / 30KVA hot-swappable power modules for predictive power management and lowest MTTR
- 3Level IGBT based Rectifier and Inverter
- Efficiency double conversion up to 96.5% & ECO mode up to 99%
- Idle Mode Save Power
- Input Power Factor 0.99
- Standard Output PF= 0.9, Configurable to Unity
- 10" colour Touch Screen
- Intelligent and innovative Self Aging Test
- Isolated airflow with redundant fans
- Independent display for each module
- Autonomous Start-up (independent from the central display)
- Hot swappable Bypass



Bypass & Monitoring module



Power module



Flexible Racks to choose from 120KVA to 300KVA and Modules of 20 / 25 / 30KVA

## ▶ Technical Specifications of PS Series 120~300KVA

RACK MODEL		PSR121518M2U			PSR2024M2U		PSR2025M3U		PSR2530M3U	
Rating (KVA)		120	150	180	200	240	200	250	250	300
Dimension WxDxH (mm)		485x900x1072			482x916x1550		600x900x2000		600x1100x2000	
Weight (Kg)		140			160		179		220	
Bypass	Feature	Hot-Swappable Inbuilt Static Bypass Module; Inbuilt Maintenance Bypass Switch								
	Voltage	Max. Voltage: $\pm 15\%$ (Optional $\pm 5\%$ , $\pm 10\%$ , $\pm 25\%$ )								
	Frequency	$\pm 1\text{Hz}$ , $\pm 3\text{Hz}$ , $\pm 5\text{Hz}$								
Monitoring		7.5" Touch Screen Display + Keyboard				10" Touch Screen Display + Keyboard				
MODULE MODEL		PSM3320L40U2				PSM3320L40U3		PSM3325L40U3		
		PMS3325L40U2				PSM3325L40U3		PSM3330L40U3		
		PSM3330L40U2								
Dimension WxDxH (mm)		436x677x85 (2U)				440x590x134 (3U)		460x790x134 (3U)		
Weight (Kg)		18				22		34		
Module Configurations		20KVA x 06 30KVA x 04	25KVA x 06 30KVA x 05	30KVA x 06	25KVA x 08	30KVA x 08	20KVA x 10 25KVA x 08	25KVA x 10	25KVA x 10	30KVA x 10
INPUT										
Nominal Voltage / Phase		380V / 400V / 415V AC (3Ph+N+PE)								
Operating Voltage Range		228V ~ 480V AC Load Dependent								
Operating Frequency Range		40Hz ~ 70Hz, Auto Sensing								
Power Factor		$\geq 0.99$								
Harmonic Distortion (THDi)		$\leq 3\%$ Non-Linear Load								
Generator Input / Walking		Support / 0~40 Sec ( Configurable)								
OUTPUT										
Output Voltage		380V / 400V / 415V AC (3Ph+N+PE)								
Voltage Regulation		$\pm 1\%$								
Power Factor		0.9 Standard; 1.0 Unity (Optional Configurable)							1.0, KVA=KW	
Frequency		Auto Sensing 50 / 60 Hz $\pm 1\sim 10\%$ Sync Mode (Configurable), 50/60 Hz $\pm 0.1$ Hz Battery Mode								
Crest Factor		3:1								
Harmonic Distortion (THDi)		$\leq 1\%$ With Linear Load, $\leq 5\%$ with Non-Linear Load								
Overload		$\geq 125\%$ for 10 min, $\geq 150\%$ for 1 min, $\geq 150\%$ for 200 ms								
Efficiency		Up to 96.5% Dual Conversion Mode, 99% ECO Mode								
BATTERY										
Battery Voltage		$\pm 240\text{V DC}$ (32 - 44, Configurable)								
SYSTEM FEATURE										
Transfer Time		Zero								
Alarm / Protections		Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low								
Short Circuit		Hold Whole System								
Display		LED								
ENVIRONMENTAL										
Temperature		Operating: 0~45°C, Storage: -10°C ~ 55°C								
Humidity / Altitude		0~95% RH Non-condensing / <1500 M								
Noise Level		Low Audible Noise Level								
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								
COMMUNICATION INTERFACE										
Standard		Rack: RS-232								
Optional		SNMP / ModBus / Dry Contact / Parallel Card / RS-485 / Dry Contact								
Monitoring Software		NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000 / Power Manager								

\*Specifications are subject to change without prior notice.

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