PS 32 Power Server

Modular Online UPS
16kVA~ 160kVA~320kVA

96.8% Efficiency even at half load

Three Level IGBT Rectifier & Inverter Technology Ultra High Energy Efficiency

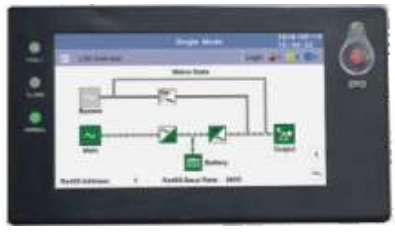
Applications:

For all kind of ADP Machines

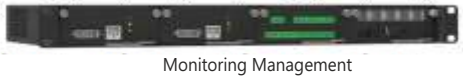
The PS32 series modular, online UPS ranging from 16kVA to 320kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The PS32 series feature the latest technology of 3-level technology, PFC input control & Input Phase Sequence Correction, which guarantees ultra high efficiency of 96.8% and reliability. Its compact design ensures power density of 320kVA in one cabinet, 6 units can be paralleled for capacity extension or redundancy up to 1920kVA, making it an excellent choice for medium and large data centre.

Features:

- **Compact Design**
  320kVA in one cabinet, footprint less than m^2, saving valuable space
- **High Power Density**
  16/20/25/30/32KVA power module in 2U height, easy for capacity expansion with full capacity
- **Ultra Efficiency**
  Advanced 3-level technology guarantees high efficiency operating in double conversion mode 96.8%
- **Intelligent Charging Management**
  The system intelligently control the whole process of the charging and discharging, effectively improve the life time of the battery
- **IGBT based Rectifier and Inverter**
- **High Scalability**
  The system can be configured from 16kVA to 320kVA in one single cabinet, 6 units in parallel for a capacity extension up to 1920kVA
- **Friendly HMI**
  7 inch touch screen with graphic display
- **Smart Sleep Function Load Management**
  System can intelligently shutdown some power modules in case of less load, save electrical energy.
- **Multi Communication Interface**
  Provide RS232, RS485, USB, SNMP, AS400 and programmable dry contacts
- **Lithium battery compatible**



7 inches touch screen, fully graphic operation,supporting multi-language (10.4 inches touch screen optional)



Monitoring Management

Structure – 30kW module

RoHS CE ISO 9001 ISO 14001 OHSAS 18001 ISO 27001

SPECIFICATION OF RACK

MODEL		PS32R5MU25	PS32R10MU42
Rating (kVA) Configurable		160	320
Dimension WxDxH (mm)		600×850×1200	600×850×2000
Weight (Kg)		98	185
Bypass	Feature	Hot-Swappable Inbuilt Static Bypass Module for Max. Inbuilt Maintenance Bypass Switch	
	Voltage	Max. Voltage: ± 15% (Optional ± 5%, ± 10%, ± 25%)	
	Frequency	50 / 60 Hz Auto Sensing ± 1Hz, ± 3Hz, ± 5Hz	
	Overload	135% Overload for long tem; >1000% Overload for 100 ms	
Monitoring		7 Inch. Touch Screen Display+Keyboard	
Nos. of Module		32kVA x 05	32kVA x 10

SPECIFICATION OF MODULE

MODEL	PSM3316L32U2	PSM3320L32U2	PSM3325L32U2	PSM3330L32U2	PSM3325L32U2
Module Rating	16kVA	20kVA	25kVA	30kVA	32kVA
Dimension WxDxH (mm)	440×620×86 (2U)				
Weight (Kg)	21				
INPUT					
Nominal Voltage	380V / 400V / 415V AC (3Ph+N+PE)				
Operating Voltage Range	228V ~ 480V AC Load Dependent				
Operating Frequency Range	40Hz ~ 70Hz Auto Sensing				
Power Factor	≥ 0.99				
Harmonic Distortion (THDi)	≤ 3%				
Generator Input / Walking	Support / 0~40 Sec. (Configurable)				
OUTPUT					
Output Voltage	380V / 400V / 415V AC (3Ph+N+PE)				
Voltage Regulation	± 1%				
Power Factor	1.0 (Unity)				
Frequency	Auto Sensing 50 / 60 Hz ± 3Hz Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode				
Crest Factor	3:1				
Harmonic Distortion (THDv)	≤ 1%				
Over Load	≤ 125% for 10 min, ≤ 150% for 1 min, > 150% for 200 ms				
Efficiency	96.8% Dual Conversion Mode, 99% ECO Mode				
BATTERY					
Battery Voltage	± 240V DC Nominal (30 ~ 50 Nos. Configurable)				
SYSTEM FEATURE					
Self-Diagnostics	During Power ON and Software Control				
EPO	UPS Shut down				
Transfer Time	Zero				
Alarm / Protections	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Load, DC BUS Under / Over Voltage and Battery low				
Display	Touch Screen LCD & LED Indication				
ENVIRONMENTAL					
Temperature	Operating: 0~50°C*, Storage: -15°C ~ 55°C				
Humidity / Altitude	0~95% RH Non-condensing / <1500 M				
Noise	<55dBA				
STANDARDS					
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 50001, RoHS				
Safety	OHSAS 18001, IEC/EN62040-1				
EMC / Performance	Complying to CE, IEC/EN62040-2; IEC/EN62040-3				
COMMUNICATION INTERFACE					
Standard	Rack: RS-232, RS-485, Dry Contact				
Optional	BMS/ Rs485/ LBS / SNMP / ModBus / Dry Contact / Parallel, Dry contact, Relay Card, Battery temperature sensor				
Monitoring Software	NetAgent Utility v5.8 / Muser 4000 / Power Manager				

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

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