

## PSHP Series Modular UPS

200-1000KVA/KW  
3:3 Phase, Output PF=1.0



PSHP Modular Series (3Phase In & 3Phase Out) modular True online UPS for sensitive equipments. Scalable architecture allows you to optimize cost effective solution to meet power demands by vertically expanding in a rack enclosure from 200KVA to 1000KVA and achieve N+1 or N+X redundancy in the same rack, paralleling 8 Nos. 1000KVA power capacity to 8000KVA with the advanced 4-Level 6th Generation IGBT, DSP control technology.

The PSHP series delivers the best combination of reliability, hot-swappable and flexibility. PSHP series is considered to be the best power protection solution for data centres, as well as for PC & server, storage and Telecom Network equipments.

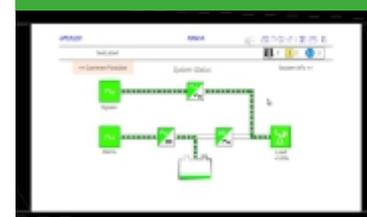
### Features:

- True Online Double Conversion (VFI-SS-111),
- Lower space and weight
- High reliable operation with redundant power supply in STS
- 4-Level 6th Generation IGBT based Rectifier and Inverter
- Efficiency double conversion up to 96%
- EHS Mode, energy high saving mode >99.1%
- Sleep Mode save Power, get activated if load is <30%
- Delivers unity output power (KVA=KW) providing the maximum power capacity to mission critical loads.
- 10" colour LCD Touch Screen display for user friendly monitoring
- Intelligent and innovative energy recycle mode, enable load testing without external load bank, saves energy
- Isolated airflow with redundant fans, washable dust filter
- Flexible battery configuration, adjust, battery Nos. 32 ~ 50 Pcs. per string.
- Isolation Transformer Compatible
- Generator Compatible



**Power Module**

### 10" Touch Screen



## ▶ Technical Specifications of PSHP Series 200~1000KVA

RACK MODEL	PSHPR42U200M3U	PSHPR42U300M3U	PSHPR42U400M3U	PSHPR42U500M3U	PSHPR42U600M3U	PSHPR42U800M3U	PSHPR42U1000M3U
Rating (KVA / KW)	50 ~ 200	50 ~ 300	50 ~ 400	50 ~ 500	50 ~ 600	50 ~ 800	50 ~ 1000
Max. Power Module No.	4	6	8	10	12	16	20
Weight (Kg)	250	260	280	650	720	980	1050
Dimension WxDxH (mm)	600x850x2000			1200x850x2000		2000x850x2000	2200x850x2000
Monitoring	10" LCD Touch Screen Display						
Maximum Rack Capacity	200KW	300KW	400KW	500KW	600KW	800KW	1000KW
Bypass Feature	Hot-Swappable Inbuilt Static Bypass Module; Inbuilt Maintenance Bypass Switch						
Bypass Voltage / Phase	380V / 400V / 415V AC $\pm$ 15% (Optional $\pm$ 5%, $\pm$ 10%, $\pm$ 25%) / (3Ph+N+PE)						
Bypass Frequency	$\pm$ 1Hz, $\pm$ 3Hz, $\pm$ 5Hz						
Bypass Transfer Time	Double Conversion Mode to Bypass Mode: Zero , Bypass to Double Conversion Mode: $\leq$ 2ms (typical)						
Overload	105%~110% for 60 Min.; 110%~125% for 10 Min.; 126%~150% for 1 Min.; >150% for 200 ms						
MODULE MODEL	PSHPM3U3350L40						
Rating (KVA / KW)	50						
Dimension WxDxH (mm)	440x620x130 (3U)						
Weight (Kg)	34						
INPUT							
Nominal Voltage / Phase	380V / 400V / 415V AC (3Ph+N+PE)						
Operating Voltage Range	260V ~ 500V AC Load Dependent						
Operating Frequency Range	40Hz ~ 70Hz, Auto Sensing						
Power Factor	$\geq$ 0.99						
Harmonic Distortion (THDi)	$\leq$ 3% with 100% Non-Linear Load						
DG Input / Power Walking	Support / 0~60 Sec ( Configurable)						
OUTPUT							
Output Voltage	380V / 400V / 415V AC (3Ph+N+PE)						
Voltage Regulation	$\pm$ 1%						
Power Factor	1.0 KVA=KW						
Output Wave Shape	Pure Sine Wave						
Frequency	Auto Sensing 50 / 60 Hz $\pm$ 1~10% Sync Mode (Configurable), 50/60 Hz $\pm$ 0.1 Hz Battery Mode						
Crest Factor	3:1						
Harmonic Distortion (THDv)	$\leq$ 1% With Linear Load, $\leq$ 3% with Non-Linear Load						
Overload	110% for 60 min, 125% for 10 min, 150% for 1 min, >150% for 300 ms						
Efficiency	96% Dual Conversion Mode						
BATTERY							
Battery Type	VRLA, NiCD, Lithium,						
Battery Voltage	480V DC Standard; (360 - 600V DC, Configurable)						
Maximum Charging Current	20A Per Power Module						
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						
Display	LED						
ENVIRONMENTAL							
Temperature	Operating: -5°C ~ 45°C, Storage: -10°C ~ 55°C						
Humidity / Altitude	0~95% RH Non-condensing / <1500 M						
Noise Level	Low Audible Noise Level						
STANDARDS							
IP Class	IP 20						
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	CAN, RS-485, NET, Parallel, Dry Contact Port						
Optional	SNMP / ModBus / Relay Card / Battery Temperature Sensor						

\*Specifications are subject to change without prior notice.

