

PS Series Modular UPS

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



600mm

1100mm

Three units in parallel

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 | 25KVA x 06 | 30KVA x 06 | 25KVA x 08 | 30KVA x 08 | 20KVA x 10 | 25KVA x 10 | 25KVA x 10 | 30KVA x 10 |
| | | 30KVA x 04 | 30KVA x 05 | | | | 25KVA x 08 | | | |
| 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 | | ≥ 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 ± 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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