

+Power E HV 60KVA / 90KVA (20/30kw Power Module)



- High efficiency online double conversion technology
- Output power factor 1
- Modular design lowers MTTT
- Adjustable battery numbers
- Adjustable charging current
- Built-in maintenance bypass switch for easy maintenance without interruption
- Graphic 5.7" LCD design for easy configuration
- Support 1+1 cabinets parallel

+Power E 3-Phase in/3-Phase out 380/400/415Vac Modular UPS Selection Guide

| MODEL | +Power E 15U-60 | +Power E 15U-90 |
|-----------------------------------|---|----------------------|
| PHASE | 3-phase in/3-phase out | |
| MAX CABINET CAPACITY* | 60KW | 90KW |
| BATTERY TYPE | External Battery | |
| ONE POWER MODULE CAPACITY | 20KVA / 20KW | 30KVA / 30KW |
| MAX. POWER MODULE NO. | 3 | |
| INPUT | | |
| Nominal Voltage | 3 x 380VAC/400VAC/415VAC (3Ph+N) | |
| Voltage Range | 305 ~ 478 VAC at 70% - 100% load; 208 ~ 478 VAC for <70% load | |
| Nominal Frequency | 50/60Hz (Auto sensing) | |
| Frequency Range | 40Hz ~ 70Hz | |
| Power Factor | > 0.99 at 100% load, >0.98 at 50% load | |
| Harmonic Distortion (THDi) | < 3% @ 100% load | |
| OUTPUT | | |
| Nominal Voltage | 3 x 380VAC/400VAC/415VAC (3Ph+N) | |
| Voltage Regulation (Steady state) | ≤ ± 1% Typical (balanced load) ≤ ± 2% Typical (unbalanced load) | |
| Nominal Frequency | 50/60Hz | |
| Frequency Range (Synchronized) | 46Hz ~ 54Hz or 56Hz ~ 64Hz | |
| Overload Capability | 1 hour for 110%, 10 mins for 125%, 1 min for 150% and 200ms for >150% | |
| Harmonic Distortion | ≤ 2% THD (Linear Load) ; ≤ 4% THD (Non-linear Load) | |
| Efficiency | Up to 94.5% | |
| BATTERY / CHARGER | | |
| Nominal Voltage | +/- 216V (12V x 36 Pcs) | |
| Maximum Voltage | +/- 240V (12V x 40 Pcs) | |
| Minimum Voltage | +/- 192V (12V x 32 Pcs) | |
| Float Charging Voltage | 2.25V/Cell | |
| Boost Charging Voltage | 2.35V/Cell | |
| Temperature Compensation | Yes | |
| Maximum Charging Current | 6A (User-adjustable) | 8A (User-adjustable) |
| PHYSICAL | | |
| Cabinet Dimension (D x W x H) mm | 1000 x 515 x 763 | |
| Net Weight (kg) | 182 | 183.5 |
| ENVIRONMENT | | |
| Operating Temperature | 0 ~ 40°C | |
| Relative Humidity | 0 ~ 95% non-condensing | |
| Altitude | <1000m for Nominal power | |
| IP Protection | IP 20 | |
| MANAGEMENT | | |
| Smart RS-232 / USB | Supports Windows* 2000/2003/XP/Vista/2008, Windows* 7/8/10, Linux and MAC | |
| Optional SNMP | Power management from SNMP manager and web browser | |
| STANDARDS | | |
| Safety | IEC/EN 60950-1; IEC/EN 62040-1 | |
| EMC | IEC/EN 62040-2 Category C3 | |

*When temperature is above 30°C , the output power factor will be de-rated, 0.9 at 31°C ~35°C and 0.8 at 36°C ~40°C .

**If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m. Product specifications are subject to change without further notice.

| Model | Description | Dimension DxWxH(mm) | Weight (kg) |
|------------------------|---------------------------------|----------------------|-------------|
| PM-30HV | 3P/3P 30KVA / 30KW power module | 650 x 440 x 132 (3U) | 34.5 |
| PM-20HV | 3P/3P 20KVA / 20KW power module | 650 x 440 x 132 (3U) | 34.0 |
| Battery Cabinet | 120 pcs of 12V 9Ah batteries | 1000 x 514 x 610 | 387 |