



+Power E



- High efficiency online double conversion technology
- Output power factor 1
- Modular design lowers MTTR
- 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

ONLINE UPS

+Power E Online UPS Specification

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 or 20KVA/20KW
Max. Power Module No.	3	
INPUT		
Nominal Voltage	380/220VAC/400/230VAC/415/240VAC (3Ph+N)	
Voltage Range	305/176 ~ 478/275 VAC at 70% - 100% load; 208/120 ~ 478/275 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	380/220VAC/400/230VAC/415/240VAC (3Ph+N)	
Voltage Regulation (Steady state)	≤± 1% Typical (balanced load) ≤± 2% Typical (unbalanced load)	
Voltage Regulation (Transient)	≤± 5% Typical	
Nominal Frequency	50/60Hz	
Frequency Range (Synchronized range)	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	≤ 1.5% 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)	
Floating Charge Voltage	2.25V/Cell	
Boost Charging Voltage	2.35V/Cell	
Temperature Compensation	Yes	
Maximum Charging Current	8A for 30KW power module (User-djustable) 6A for 20KW power module (User-adjustable)	
PHYSICAL		
Cabinet Dimension (D x W x H) mm	1000 x 515 x 763	
Net Weight (kgs)	182	183.5
ENVIRONMENT		
Operation Temperature	0 ~ 40°C	
Relative Humidity	0 ~ 95% non-condensing	
Altitude ***	<1000m for Nominal power	
IP Class	IP 20	
MANAGEMENT		
RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7, 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 placewhere the altitude is above than 1000m, the output power must be derated one percent per 100m.

Model	Description	Dimension DxWxH(mm)	Weight (kg)
PM-30HV	3P/3P 30KVA/30KW power module	650x440x132(3U)	34.5
PM-20HV	3P/3P 20KVA/20KW power module	650x440x132(3U)	34
Battery Cabinet	120 pcs of 12V9Ah batteries	1000 x 514 x 610	387