



# +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
<b>PHASE</b>	3-phase in/3-phase out
<b>CABINET CAPACITY*</b>	60Kva / 60Kw
<b>BATTERY TYPE</b>	External Battery
<b>One Power Module Capacity</b>	20KVA/20KW @ 30°C
<b>Max. Power Module No.</b>	3
<b>INPUT</b>	
Nominal Voltage	208/120VAC or 220/127VAC (3Ph+N) (Programmable from display)
Voltage Range	150/94 ~ 260/163VAC at 70% - 100% 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
<b>OUTPUT</b>	
Nominal Voltage	208/120VAC or 220/127VAC (3Ph+N) (Programmable from display)
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	≤ 2% THD (Linear Load) ≤ 4% THD (Non-linear Load)
Efficiency	Up to 92.5% in Double conversion; Up to 98.6% in EcoMode
<b>BATTERY / CHARGER</b>	
Nominal Voltage	+/- 120V (12V x 20 Pcs)
Floating Charge Voltage	2.25V/Cell
Boost Charging Voltage	2.35V/Cell
Temperature Compensation	Yes
Maximum Charging Current	8A for each power module (User-adjustable) (Max 24A charger for this system)
<b>PHYSICAL</b>	
Cabinet Dimension (D x W x H) mm	1000 x 515 x 763
Net Weight (kgs)	195
<b>ENVIRONMENT</b>	
Operation Temperature	0 ~ 40°C
Relative Humidity	0 ~ 95% non-condensing
Altitude ***	<1000m for Nominal power
IP Class	IP 20
<b>MANAGEMENT</b>	
RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/10, Linux and MAC - Included
SNMP	Power management from SNMP manager and web browser - Included

\*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.

Model	Description	Dimension DxWxH(mm)	Weight (kg)
PM-20LV	3P/3P 20KVA/18KW power module	650x440x132(3U)	34
Battery Cabinet	120 pcs of 12V9Ah batteries	1000 x 514 x 610	387