

# On Line High Frequency Modular UPS

## AP Lite 15U 60-90K(L)



### Technical Features:

- 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 interruptible
- Graphic 5.7" LCD design for easy configuration



### Technical Specifications:

MODEL	AP Lite 15U-60	AP Lite 15U-90
<b>PHASE</b>	3-phase in/3-phase out	
<b>MAX CABINET CAPACITY*</b>	60KW	90KW
<b>BATTERY TYPE</b>	External Battery	
<b>One Power Module Capacity</b>	20KVA/20KW	30KVA/30KW or 20KVA/20KW
<b>Max. Power Module No.</b>	3	
<b>INPUT</b>		
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	
<b>OUTPUT</b>		
Nominal Voltage	3 x 380VAC/400VAC/415VAC (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%	
<b>BATTERY / CHARGER</b>		
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)	
<b>PHYSICAL</b>		
Dimension, DXWXH(mm)	1000 x 515 x 760	
Net Weight (kgs)	182	183.5
<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, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	
<b>STANDARDS</b>		
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	PM-30HV	PM-20HV	Battery Cabinet
Description	3P/3P 30KVA/30KW power module	3P/3P 20KVA/20KW power module	120 pcs of 12V9Ah batteries
Dimension, DXWXH(mm)	650x440x132[3U]	650x440x132[3U]	1000 x 514 x 610
Net Weight (kgs)	34.5	34	387

