

APM 33X 3P/3P 208V Modular UPS Selection Guide

MODEL	Power 30U-60LV	Power 42U-80LV	Power 30U-80LV	Power 30U-120LV	Power 42U-140LV
PHASE	3-phase in / 3-phase out				
CABINET CAPACITY*	54 KW	72 KW	72 KW	108 KW	126 KW
BATTERY TYPE	Built-in Battery		External Battery		
ONE POWER MODULE CAPACITY	20KVA/18KW				
MAX. POWER MODULE NO.	3	4	4	6	7+1
MAX. BATTERY SET NO.**	3	4	-	-	-
INPUT					
Nominal Voltage	3 x 208 VAC (3Ph+N)				
Voltage Range	156 ~ 253 VAC at 100% load; 121 ~ 155VAC at <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 208V/220VAC (3Ph+N)				
Voltage Regulation (Steady state)	≤ ± 1% Typical (balanced load) ; ≤ ± 2% Typical (imbalanced load)				
Voltage Regulation (Transient)	≤ ± 5% Typical				
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%, 200ms for >150%				
Harmonic Distortion	≤ 1.5% THD (Linear Load) ; ≤ 4% THD (Non-linear Load)				
Efficiency	Up to 92.5% at over 50% load				
BATTERY / CHARGER					
Nominal Voltage	+/- 120V (12V x 20 pcs)				
Float Charging Voltage	2.25V / Cell				
Boost Charging Voltage	2.35V / Cell				
Temperature Compensation	Yes				
Maximum Charging Current	8A for each power module (User-adjustable)				
PHYSICAL					
Cabinet Dimension (D x W x H) mm	1100 x 600 x 1475 [30U]	1100 x 600 x 2010 [42U]	1100 x 600 x 1475 [30U]	1100 x 600 x 1475 [30U]	1100 x 600 x 2010 [42U]
Net Weight (kg)	675	828	335	437.5	7 Power Modules: 514.5 8 Power Modules: 549
ENVIRONMENT					
Operating Temperature	0 ~ 40°C				
Relative Humidity	0 ~ 95% non-condensing				
Altitude	<1000m for Nominal power				
IP Class	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	UL1778, CSA C22.2 No. 107.3-05				
EMC	FCC Part 15, Subpart B Class A				

*When temperature is above 30°C , the output power factor will be de-rated, 0.8 at 31°C ~35°C and 0.7 at 36°C ~40°C .

** One battery module contains 10 pcs of 12V/7Ah or 12/9Ah sealed lead acid batteries in one tray. One complete battery set contains 4 battery modules.

***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.

Product specifications are subject to change without further notice.

Model	Description	Dimension DxWxH(mm)	Weight (kg)
PM-20LV	3P/3P 20KVA / 18KW power module	650 x 440 x 132(3U)	34.5
Battery Module	10 pcs of 12V 9Ah batteries	735 x 107 x 155	26