

APlus (60kW power module)



- 60KW single power module in 3U
- N+1 or N+X parallel redundancy for power guarantee
- Horizontal expansion by 1+1 cabinet parallel operation, up to 1.2MW
- Hot-swappable modular design decreases MTTR
- High scalability
- Built-in maintenance bypass switch for easy maintenance without interruptible
- High efficiency double conversion online UPS
- Flexible battery configuration and adjustable charging current
- High overload capability
- Power walk-in function
- Built-in dynamic password protection
- Built-in ultra communication slot

Product Outlook

10" touch LCD screen

- Dynamic power flow in color screen
- Operation status for each power module
- Adjustable charging current via LCD panel



APlus Modular UPS Selection Guide

MODEL	A+ 30U-120	A+ 30U-180	A+ 42U-300	A+ 42U-420	A+ 42U-480	A+ 42U-600
PHASE	3-phase in / 3-phase out					
CABINET CAPACITY*	120 KW	180 KW	300 KW	420KW	480KW	600KW
BATTERY TYPE	External Battery					
ONE POWER MODULE CAPACITY	60KVA / 60KW					
MAX. POWER MODULE NO.	2	3	5	7	8	10
INPUT						
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)					
Voltage Range	-30% ~ +20%					
Nominal Frequency	50/60Hz (Auto Sensing)					
Frequency Range	40Hz ~70Hz					
Power Factor	> 0.99 @ 100% Load , >0.98 @ 50% Load					
Harmonic Distortion (THDi)	< 3% @ 100% load					
OUTPUT						
Nominal Voltage	3 x 380/400/415 VAC (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 111% ~ 125%, 1 min for 126%~150% and 200ms for >150%					
Harmonic Distortion	≤2% THD (Linear Load) ; ≤4% THD (Non-linear Load)					
Efficiency	96%					
BATTERY / CHARGER						
Nominal Voltage	+/- 192V ~ +/- 240V (Selectable)					
Maximum Voltage	+/- 240V (12V x 40 Pcs)					
Minimum Voltage	+/- 192V (12V x 32 Pcs)					
Floating Charge Voltage	2.28V / Cell (2.25 ~2.33 Selectable)					
Boost Charging Voltage	2.35V/Cell					
Temperature Compensation	Yes					
Maximum Charging Current (Per Power Module)	18A (Adjustable)					
PHYSICAL						
Cabinet Dimension (D x W x H) mm	1100x600x1475	1100x600x1475	1100x600x2010	1100x600x2010	1065x1000x2000	1065x1000x2000
Net Weight (Kg)	308	352	516	654	932	1020
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® Family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					
STANDARDS						
Safety	IEC/EN 62040-1					
EMC	IEC/EN 62040-2 Category C3					

***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-60	3P/3P 60KVA/60KW power module	750 x 438 x 130 (3U)	44