

On Line High Frequency Modular UPS Aplus Modular 3P/3P 120K-600K(L)



Technical Features:

- 60KW for single power module in 3U
- Single 42U cabinet up to 600KW
- N+1 or N+X parallel redundancy for power guarantee
- 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



Technical Specifications:

MODEL	Aplus 30U-120	Aplus 30U-180	Aplus 42U-240	Aplus 42U-300	Aplus 42U-420	Aplus 42U-480	Aplus 42U-600
PHASE	3-phase in/3-phase out						
CABINET CAPACITY*	120KW	180KW	240KW	300KW	420KW	480KW	600KW
BATTERY TYPE	External Battery						
One Power Module Capacity	60KVA/60KW						
Max. Power Module No.	2	3	4	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 at 100% load, >0.98 at 50% load						
Harmonic Distortion (THDi)	< 3% @ 100% load						
OUTPUT							
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)						
Voltage Regulation (Steady state)	" $\pm \pm 1\%$ Typical (balanced load) $\pm \pm 2\%$ Typical (unbalanced load)"						
Nominal Frequency	50/60Hz						
Frequency Range (Synchronized range)	46Hz ~ 54Hz or 56Hz ~ 64Hz						
Overload Capability	1 hour for $\pm 110\%$, 10 mins for 111% ~ 125%, 1 min for 126%-150% and 200ms for >150%						
Harmonic Distortion	" $\pm 1\%$ THD (Linear Load) $\pm 3\%$ THD (Non-linear Load)"						
Efficiency	96%						
BATTERY / CHARGER							
Nominal Voltage	+/- 168V ~ +/- 240V (Selectable)						
Maximum Voltage	+/- 240V (12V x 40 Pcs)						
Minimum Voltage	+/- 168V (12V x 28 Pcs)						
Floating Charge Voltage	2.35V/Cell (2.3V~2.4V selectable)						
Boost Charging Voltage	2.4V/Cell						
Temperature Compensation	Yes						
Maximum Charging Current [Per Power Module]	20A (Adjustable)						
PHYSICAL							
Dimension, D X W X H (mm)	1100 x 600 x 1475	1100 x 600 x 1475	1100 x 600 x 2010	1100 x 600 x 2010	1100 x 1200 x 2010	1100 x 1200 x 2010	1100 x 1200 x 2010
Net Weight (kgs)	270	300	466	510	888	932	1020
ENVIRONMENT							
Operation Temperature	0 ~ 40 C						
Operation Humidity	0 ~ 95% non-condensing						
Altitude**	<1000m for Nominal power						
Noise Level	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 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.

** 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 place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

