# **PlusModule 1 Series**

## **72KVA & 108KVA** (208/120V)







PlusModule 1-108/18X

#### **Key Features**

- > High reliability and environment adaptability, with protection of components level.
- > Extreme high power density, 12kW or 18kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.
- > Mounted in 19 inch rack, or stand alone.
- > 7 inch touch LCD, with IoT functions.

#### **Typical Application**



Security and Surveillance System



Financial Services



Telecom



**Data Center** 



Manufacturing Process Control



Petro Chemical Industry



Building Management



Automatic Control System



### **Specification**

MODEL	PlusModule 1-72/12X	PlusModule 1-108/18X
Rate Power	72kVA/72kW	108kVA/108kW
MAIN INPUT		
Input	3P5W (3P+N+PE)	
Rate Voltage	200/208/220VAC (Line-Line)	
Rate Freq.	50/60Hz	
Input PF	>0.99	
Current Distortion	THDi <3% (100% Linear load)	
Voltage Range	166~261VAC(L-L) full load; 125~166VAC(L-L) load decrease linearly according to the min phase voltage	
Freq. Range	40-70Hz	
BATTERY		
Rate Voltage	±120VDC	
Charging Capacity	20%*Pout	
Charging Accuracy	±1%	
BYPASS		
Rate Voltage	200/208/220VAC (Line-Line)	
Voltage Range	Range: -40%~+25%, Settable, default -20%~+15%	
Overload	110%, long time operation ; 110%< load<125%, 5 mins ; 125% <load, 1="" 150%,="" second<="" td=""></load,>	
INVERTER		
Rate Voltage	200/208/220VAC (Line-Line)	
Rate Freq.	50/60Hz	
Output PF	1	
Voltage Accuracy	±1.0%	
Load Response	<5% (20% - 80% -20% step load)	
Recovery Time	<20ms (0% - 100% -0% step load)	
Output THDu	<1% (linear load), <5% (non-linear load according to IEC 62040-3)	
Overload	110%, 1 hour; 125%, 10 mins; 150%, 1 min; >150%, 200ms	
Frequency Accuracy	0.1%	
Synchronize Window	Settable, ±0.5Hz-±5Hz, default ±3Hz	
Slew Rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S	
Phase Accuracy	120°±0.5°	
SYSTEM		
Efficiency	Normal Mode ≥93%; Battery Mode ≥93%	
Display	LED + 7 inch touch LCD	
Certification-Safety	IEC62040-1, IEC60950-1	
Certification-EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4(EFT); IEC61000-4-5(Surge)	
IP Degree	IP20	
Configuration	USB, RS232, RS485, Dry contact, Cold start	
Option	SNMP card / AS400 card / Parallel kit / LBS / Air filter	
Environment	0-40°C(Operation); -25°C~70°C(Storage); 0-95%(Humidity, Non-condensing)	
Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load	
DIMENSION		
Cabinet(W*D*H)mm	482*700*840 (19U, wheels not included)	482*816*1018 (23U, wheels not included)
Module(W*D*H)mm	440*555*85 (2U)	440*678*85 (2U)
Power Module Rated Capacity	12kW	18kW
Number of Power Module installation	1 to 6 units	

<sup>\*</sup>Product specifications are subject to change without further notice.

