

PlusModule 1 Series

72KVA & 108KVA (208/120V)



PlusModule 1-72/12X



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<150%,1 min	
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	

*Product specifications are subject to change without further notice.