

PlusModule 3 Series

200KVA to 600KVA (380/220V)



Power Module Unit



Modular UPS System

Key Features

- > Fully digital control, flexible and robust.
- > 7 & 10 inch touch LCD, with IoT functions.
- > Maximum system capacity up to 1.8MVA, the best solution for mega data center.
- > High reliability and environment adaptability, with protection of components level.
- > Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.

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 3-200/50X	PlusModule 3-240/60X	PlusModule 3-300/50X	PlusModule 3-360/60X
Rate Power	200kVA	240kVA	300kVA	360kVA
MAIN INPUT				
Input	3P5W (3P+N+PE)			
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
Rate Freq.	50/60Hz			
Input PF	>0.99			
Current Distortion	THDi<3% (100% Linear load)			
Voltage Range	304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 75%			
Freq. Range	40-70Hz			
BATTERY				
Rate Voltage	±240VDC			
Charging Capacity	20%*Pout			
Charging Accuracy	±1%			
BYPASS				
Rate Voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)			
Voltage Range	Range: -40%~+25%, Settable, default -20%~+15%			
Overload	125%, long time operation 125%<load<130%, 10 mins 130%<load<150%,1 min >150%, 300ms	110%, long time operation 110%<load<125%, 5 mins 125%<load<150%,1 min >150%,1 second		
INVERTER				
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
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 ≥96%, Battery Mode ≥96%			
Display	LED + 7 inch touch LCD		LED + 10 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, Air filter			
Option	SNMP card / AS400 card / Parallel kit / SPD / LBS			
Environment	0-40°C(Operation); -25°C~70°C(Storage); 0-95%(Humidity, Non-condensing)			
Noise(dB)(1 meter)	72dB @ 100% load, 69dB @ 45% load			
DIMENSION				
Cabinet(W*D*H)mm	600*1000*1600		600*1000*2000	
Module(W*D*H)mm	442*659*174			
WEIGHT(kg)				
Cabinet	185		248	
Module	41			
Power Module Rated Capacity	50KW	60KW	50KW	60KW

*Product specifications are subject to change without further notice.

Specification

MODEL	PlusModule 3-400/50X	PlusModule 3-480/60X	PlusModule 3-600/50X	PlusModule 3-600/60X
Rate Power	400kVA	480kVA	600kVA	600kVA
MAIN INPUT				
Input	3P5W (3P+N+PE)			
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
Rate Freq.	50/60Hz			
Input PF	>0.99			
Current Distortion	THDi<3% (100% Linear load)			
Voltage Range	304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 75%			
Freq. Range	40-70Hz			
BATTERY				
Rate Voltage	±240VDC			
Charging Capacity	20%*Pout			
Charging Accuracy	±1%			
BYPASS				
Rate Voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)			
Voltage Range	Range: -40%~+25%, Settable, default -20%~+15%			
Overload	110%, long time operation 110%<load<125%, 5 mins 125%<load<150%,1 min >150%,1 second			
INVERTER				
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
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 ≥96%, Battery Mode ≥96%			
Display	LED + 10 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, Air filter			
Option	SNMP card / AS400 card / Parallel kit / SPD / LBS			
Environment	0-40°C(Operation); -25°C~70°C(Storage); 0-95%(Humidity, Non-condensing)			
Noise(dB)(1 meter)	72dB @ 100% load, 69dB @ 45% load			
DIMENSION				
Cabinet(W*D*H)mm	600*1000*2000		1200*1100*2000	
Module(W*D*H)mm	442*659*174			
WEIGHT(kg)				
Cabinet	250		578	
Module	41			
Power Module Rated Capacity	50KW	60KW	50KW	60KW

*Product specifications are subject to change without further notice.