

PlusMAX 5 Series

10KVA to 40KVA (208/120V)



Key Features

- > High reliability and environment adaptability.
- > 7 inch touch LCD with IoT functions.
- > High power density, small volume.
- > High Frequency Design.

Typical Application



Security and
Surveillance System



Financial
Services



Telecom



Data Center



Manufacturing
Process Control



Petro Chemical
Industry



Building
Management



Automatic
Control System

Specification

MODEL	PlusMAX 5-10KS	PlusMAX 5-15KS	PlusMAX 5-20KS
Rate Power	10KVA	15KVA	20KVA
MAIN INPUT			
Input	3P5W(3P+N+PE)		
Rate Voltage	200/208/220VAC(L-L)		
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) power derate from 100% to 75%		
Freq. Range	40-70Hz		
BATTERY			
Rate Voltage	±120VDC		
Quantity	Depend on external battery, 20PCS		
Charging Capacity	20%*Pout		
Charging Accuracy	±1%		
BYPASS			
Rate Voltage	200/208/220VAC(L-L)		
Voltage Range	Range: -40% - +25%, Settable, default -20% - +15%		
Frequency Range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz		
INVERTER			
Rate Voltage	200/208/220VAC(L-L)		
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		
Crest Factor	3:1		
Phase Accuracy	120°±0.5°		
SYSTEM			
Efficiency	Normal mode up to 94%		
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, Air filter		
Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start		
Environment	0-40°C(Operation); -25°C~70°C(Storage); 0-95%(Humidity, non-condensing)		
DIMENSION(W*D*H) mm			
External BAT	250*530*650		250*782*650
WEIGHT(kg)			
External BAT	43		53

*Product specifications are subject to change without further notice.

Specification

MODEL	PlusMAX 5-30KS	PlusMAX 5-40KS
Rate Power	30KVA	40KVA
MAIN INPUT		
Input	3P5W(3P+N+PE)	
Rate Voltage	200/208/220VAC(L-L)	
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) power derate from 100% to 75%	
Freq. Range	40-70Hz	
BATTERY		
Rate Voltage	±120VDC	
Quantity	Depend on external battery, 20PCS	
Charging Capacity	20%*Pout	
Charging Accuracy	±1%	
BYPASS		
Rate Voltage	200/208/220VAC(L-L)	
Voltage Range	Range: -40% - +25%, Settable, default -20% - +15%	
Frequency Range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz	
INVERTER		
Rate Voltage	200/208/220VAC(L-L)	
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	
Crest Factor	3:1	
Phase Accuracy	120°±0.5°	
SYSTEM		
Efficiency	Normal mode up to 94%	
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, Air filter	
Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start	
Environment	0-40°C(Operation); -25°C~70°C(Storage); 0-95%(Humidity, non-condensing)	
DIMENSION(W*D*H) mm		
External BAT	250*782*650	
WEIGHT(kg)		
External BAT	85	

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