

PlusMAX 6 Series

10KVA to 80KVA (380/220V)



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 6-10KS	PlusMAX 6-15KS	PlusMAX 6-20KS	PlusMAX 6-30KS
Rate Power	10KVA	15KVA	20KVA	30KVA
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			
Quantity	Depend on external battery, 40pcs			
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%			
Frequency Range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz			
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			
Crest Factor	3:1			
Phase Accuracy	120°±0.5°			
SYSTEM				
Efficiency	Normal Mode ≥96%; Battery Mode ≥96%			
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 star			
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			
WEIGHT (kg)				
External BAT	43			

*Product specifications are subject to change without further notice.

Specification

MODEL	PlusMAX 6-40KS	PlusMAX 6-60KS	PlusMAX 6-80KS
Rate Power	40KVA	60KVA	80KVA
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		
Quantity	Depend on external battery, 40pcs		
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%		
Frequency Range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz		
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		
Crest Factor	3:1		
Phase Accuracy	120°±0.5°		
SYSTEM			
Efficiency	Normal Mode ≥96%; Battery Mode ≥96%		
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 star		
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	53	85	

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