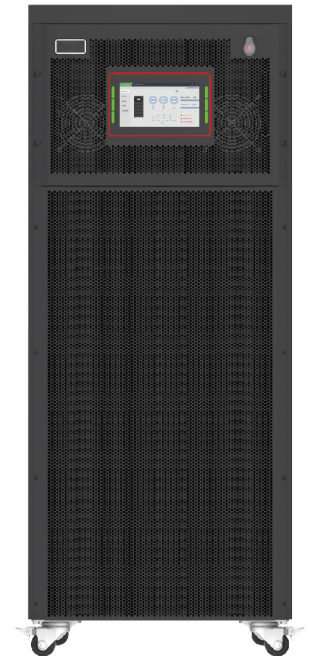


# PlusMAX 3 Series

## 10KVA to 40KVA (208/120V)

Rack model power module



### Key Features

- › Optional full metal battery strips, with internal batteries capable of configuring up to 16 battery module strips.
- › 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 3-10KS	PlusMAX 3-15KS	PlusMAX 3-20KS
Rate Power	10KVA	15KVA	20KVA
<b>MAIN INPUT</b>			
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		
<b>BATTERY</b>			
Rate Voltage	±120VDC		
Model	12VDC/7-9Ah		
Quantity	120pcs		
Charging Capacity	20%*Pout		
Charging Accuracy	±1%		
<b>BYPASS</b>			
Rate Voltage	200/208/220VAC(L-L)		
Voltage Range	Range: -40% - +25%, Settable, default -20% - +15%		
Frequency Range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz		
<b>INVERTER</b>			
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°		
<b>SYSTEM</b>			
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)		
<b>DIMENSION(W*D*H) mm</b>			
Internal BAT	500*864*922		
<b>WEIGHT(kg)</b>			
Internal BAT(No include batteries)	143		155

\*Product specifications are subject to change without further notice.

### Specification

MODEL	PlusMAX 3-30KS	PlusMAX 3-40KS
Rate Power	30KVA	40KVA
<b>MAIN INPUT</b>		
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	
<b>BATTERY</b>		
Rate Voltage	±120VDC	
Model	12VDC/7-9Ah	
Quantity	160pcs	
Charging Capacity	20%*Pout	
Charging Accuracy	±1%	
<b>BYPASS</b>		
Rate Voltage	200/208/220VAC(L-L)	
Voltage Range	Range: -40% - +25%, Settable, default -20% - +15%	
Frequency Range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz	
<b>INVERTER</b>		
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°	
<b>SYSTEM</b>		
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)	
<b>DIMENSION(W*D*H) mm</b>		
Internal BAT	500*865*1250	
<b>WEIGHT(kg)</b>		
Internal BAT(No include batteries)	200	

\*Product specifications are subject to change without further notice.