

PlusMAX 2 Series

20KVA to 80KVA

Key Features

- > High frequency design
- > Tower UPS, modular design, MTTR < 30mins
- > Higher density reduces up to 50% of the footprint
- > Output power factor 1, provides more active power
- > Powerful charger declines the charging time dramatically
- > Predictable component lifetime enhances system reliability
- > Optimized parallel technology, eliminates single point of failure
- > Battery 32-44 adjustment provides a more flexible battery configuration
- > Optimized battery management (OBM) technology, extended batteries life by 50%
- > A 5-inch colour touch LCD with 8 languages provides a user-friendly interface for operation
- > Three-step IGBT PWM control technology, online mode efficiency up to 96%, ECO mode efficiency up to 99%



20-40KVA



60-80KVA

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 2-20KS	PlusMAX 2-30KS	PlusMAX 2-40KS	PlusMAX 2-60KS	PlusMAX 2-80KS
CAPACITY					
Power rating KVA	20	30	40	60	80
Power rating KW	20	30	40	60	80
INPUT					
Topology	PWM, IGBT based				
Rated voltage	Rectifier: 230/400Vac nominal (220/380, 240/415 Selectable)				
Voltage range	Tolerance: 190/330–276/478V (-15%, +20%) at 100% load, 116/201-276/478V (-50%, +20%) at 50% load				
Input power factor	0.99				
THD(i)	<3%				
Rated Frequency	50/60Hz auto sensing				
Frequency range	40-72Hz				
OUTPUT					
Power factor	1.0				
Efficiency	Up to 96% in online mode; >99% in ECO mode				
Output voltage	380Vac/220Vac +/- 1% (400/415Vac selectable)				
Output frequency	50/60Hz				
Overload Capacity	102–110% load 60 min, 111–125% load 10min, 126–150% load 1min, >150% load 150msec at 40°C				
THDV	<2% for Linear load				
Unbalanced load	100%				
Crest factor	3:1				
BYPASS					
Internal static switch	Standard				
Bypass voltage	230/400V nominal (220/380, 240/415 Selectable) Tolerance: 195/338 – 264/458V (±15% of nominal, selectable up to ±20%)				
Maintenance bypass switch	Standard				
BATTERY					
Battery type	VRLA/NiCd/Lithium				
Backup time	Varies from battery capacity and load situation				
Battery voltage	320V~607V, default 432V				
COMMUNICATION					
Interface	2x Mini-Slot, 1x Emergency Power Off input (NC or NO), 3x Building Alarm inputs, 1x RS232				
Com cards (optional)	Mini-slots cards: Gigabit Network-M2, Industrial Gateway-M2, EMP DT1H1C2				
ENVIRONMENT					
Running temperature	UPS: 0-40°C; Battery: 25°C				
Storage	-25 ~ 55°C without battery; +15 ~ 25°C with battery				
Humidity	5% ~ 95%				
Elevation	No derating < 1000m				
Noise level	<=65dBA at 1m @ 75% Load (ISO7779)				
DIMENSION					
W*D*H (mm)	330*657*528			330*690*986	
REGULATION					
Safety	IEC/EN 62040-1				
EMC	IEC/EN 62040-2				
Performance	IEC/EN 62040-3				
Quality	ISO90001, ISO14001				
Certification	CE				

*Initial spec. and Due to continuous product improvement programs, specifications are subject to change without notice.