



MAX+ SERIES

HIGH FREQUENCY HIGH PERFORMANCE ONLINE UPS

1KVA/2KVA/3KVA

INTERNAL BATTERIES

1KVA/2KVA/3KVA

EXTERNAL BATTERIES

Max+ series operates with programmable power management outlet along with the availability of hot standby feature and it's static bypass improves its reliability. The SNMP card is also available on demand as an option. This series is based on High Frequency Double Conversion IGBT technology with static bypass which improves reliability and consists of advanced PFC technology or battery management. The fixed output frequency can be synchronized with the input frequency.



FEATURES:

- Inbuilt charger of 9.5 Amps
- Smart display for real time information
- Inbuilt over voltage cut off device with surge protection
- Robust design with enhanced reliability
- Frequency convert mode (50Hz/60Hz)
- Generator Compatible
- External Charger: Capacity expansion to 8 Amps (Optional)
- EMI/RFI Noise Filter
- SNMP Card (Optional)
- Power Factor: 0.9
- Waveform (Battery Mode): Pure Sine wave

BENEFITS:

- Efficient micro controller based
- Hot standby feature
- Programmable power management outlets
- Static bypass
- Over heating indication and protection.
- Noise Level: Less than 50dBA@ 1meter (with fan speed control)
- SNMP (Optional): Power management from SNMP manager and web browser.





TECHNICAL SPECIFICATIONS

MODEL	MAX+ 1KVA36V EB/IB	MAX+ 2KVA72V EB/IB	MAX+ 3KVA72V EB/IB
CAPACITY	1KVA/900W	2KVA/1800W	3KVA/2700W
INPUT			
VOLTAGE RANGE	110VAC±5% ~ 300VAC±5%		
FREQUENCY RANGE	40Hz~70Hz		
PHASE	Single Phase with Ground		
INPUT POWER FACTOR	≥0.99 @ Full Load		
OUTPUT			
VOLTAGE RANGE	200/208/220/230/240VAC		
AC VOLTAGE REGULATION	±1%(Battery Mode)		
FREQUENCY RANGE (Battery Mode)	50Hz±0.25Hz or 60Hz±0.3Hz		
CURRENT CREST RATIO	3:1		
HARMONIC DISTORTION	≤2% THD(Linear Load); 4% THD(Non-Linear Load)		
OVERLOAD CAPABILITY	105%~110% : UPS shuts down after 10 minutes at battery mode or transfer to bypas when the utility is normal. 110%~130% : UPS shuts down after 1 minute at battery mode or transfer to bypas when the utility is normal. >130% : UPS shuts down after 3 seconds at battery mode or transfer to bypas when the utility is normal.		
TRANSFER TIME			
AC MODE TO BATTERY MODE	Zero		
INVERTER TO BYPASS	<4ms(Typical 2.5ms)		
WAVEFORM(BATTERY MODE)	Pure Sine Wave		
EFFICIENCY	90%		
BATTERY			
DC VOLTAGE	36VDC/IB(3Battery 7AH inside)	72VDC/IB(6Battery 7AH inside)	72VDC/IB(6Battery 7AH inside)
TYPE AND NUMBERS	SMF/Lead Acid/Tubular depending on the capacity of the External Batteries		
CHARGE CURRENT	1.5A~9.5A		
CHARGING CURRENT(Adjustable)	2.0A/4.0A/6.0A/8.0A(Maximum) Selectable via LCD setting		
PHYSICAL			
DIMENSIONS PRODUCT(LxWxH)	397x145x220(in mm)	421x190x318(in mm)	421x190x318(in mm)
NET WEIGHT PRODUCT(KGS.)	7.8 Kgs./(IB-12.5Kgs.)	12.10 Kgs./(IB-25.8Kgs.)	12.52 Kgs./(IB-27.0Kgs.)
ENVIRONMENT			
OPERATING HUMIDITY	20-95% RH@ 0-40°C(Non-Condensing)		
NOISE LEVEL	Less than 50dBA@1Meter(With Fan Speed Control)		
LED/LCD INDICATION	LCD Indications		
MANAGEMENT			
SMART RS-232 OR USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix, MAC		
OPTIONAL SNMP	Power Management from SNMP Manager and Web Browser		