



MAXIMA UPS

Online Double Conversion Uninterruptible Power Supply

Description

A true double conversion UPS, Maxima will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer centres, servers, telecom applications, as well as industrial applications.

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices. Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

It offers efficiency as high as 97% to cut energy usage and cost. UPS power application via static bypass, timely returning to online double conversion when the need arises. This feature can secure the personnel and equipment in case of fires or other emergencies. This feature allows either USB or RS-232 communication port to work with SNMP interface simultaneously.

With advanced control firmware, Maxima series provides high accuracy within +/- 1% for output voltage. It can be applied to precious test and IT equipment. A DSP controller provides an improved and cost-effective solution with high performance.

Maxima 1-3kVA series are equipped with 2-stage charger design to guarantee battery discharge time. Also, it will adjust charging voltage according to outside temperature. This feature will extend the useful service life of batteries.

Maxima 6-10kVA models are equipped with 3-stage extendable charger for optimised battery performance. This feature extends the useful service life of batteries and optimises battery recharge time. Also, the extendable charger design can be stacked in numbers for large-capacity battery charging. Maxima (6kVA and up models) can be used in parallel operation with up to 3 units. It increases power capacity, safety, and availability.

With the built-in isolation transformer, the Maxima UPS will offer full isolation and complete common mode noise rejection for sensitive loads.

Applications

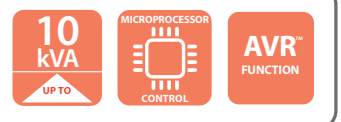
Mission critical applications such as sensitive networks, small computer centres, servers, telecom applications.



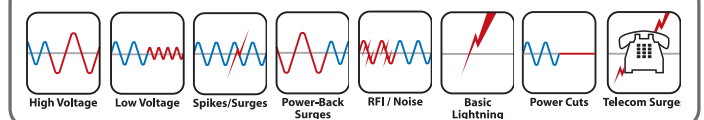
Features

- Output power factor 0.8
- Wide input voltage range (110 V -300 V)
- Programmable power management outlets
- 50/60 Hz Frequency Converter Mode
- ECO mode operation for energy saving
- Emergency Power Off (EPO) Function
- SNMP+USB+RS-232 multiple communications
- Higher accuracy for output voltage
- Smart battery charger design to optimize battery performance
- DSP technology applied for 6K and up models
- Maintenance bypass available for 6K and up models
- Optional N+X parallel redundancy available for 6K and up models
- Adjustable battery numbers for 6K and up models
- Built-in isolation transformer (option)

Features:



Protection against:



Technical Specifications

MODEL	Maxima 3K	Maxima 6K	Maxima 10K
PHASE	Single Phase with Ground		
CAPACITY	3000 VA / 2400 W	6000 VA / 4800 W	10000 VA / 9000 W
INPUT			
Nominal Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC	208/220/230/240 VAC	208/220/230/240 VAC
Input Voltage Range	55-150 VAC or 110-300 VAC (50% Load on) 85-140VAC or 160-280VAC (100% Load on)	110-300 VAC (50% Load on) 176-300 VAC (100% Load on)	110-300 VAC (50% Load on) 176-300 VAC (100% Load on)
Frequency Range	40Hz ~ 70 Hz	46 ~ 54 Hz or 56 ~ 64 Hz	46 ~ 54 Hz or 56 ~ 64 Hz
Power Factor	0.99 @ Nominal Voltage (100% load)		
OUTPUT			
Output Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC	208/220/230/240 VAC	208/220/230/240 VAC
Voltage Regulation	± 1%		
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 57 ~ 63 Hz	46 ~ 54 Hz or 56 ~ 64 Hz	46 ~ 54 Hz or 56 ~ 64 Hz
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz	50 Hz or 60 Hz ± 0.1 Hz	50 Hz or 60 Hz ± 0.1 Hz
Current Crest Factor	3:1		
Harmonic Distortion	3% THD (Linear Load) ; 6% THD (Non-linear Load)	3% THD (Linear Load) ; 5% THD (Non-linear Load)	3% THD (Linear Load) ; 6% THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	Zero	
Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY			
AC Mode	90%	92%	93%
Battery Mode	88%	90%	91%
BATTERY			
Battery Type	12 VDC / 9 AH		
Battery Numbers	6	16	16
Typical Recharge Time	4 hours recover to 90% capacity	9 hours recover to 90% capacity	9 hours recover to 90% capacity
Charging Current (max.)	1 A	1 A / 2 A	1 A / 2 A
Charging Voltage	82.1 VDC ±1%	218.4 VDC ±1%	218.4 VDC ±1%
INDICATORS			
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM			
Battery Mode	Sounding every 4 seconds		
Low Battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
PHYSICAL			
Dimensions D x W x H (mm)	421 x 190 x 318	369 x 190 x 688	369 x 190 x 688
Net Weight (kg)	27.6	61	66
ENVIRONMENT			
Humidity	20-90 % RH @ 0- 40°C (non-condensing)	0-95% RH @ 0-50°C (non-condensing)	0-95% RH @ 0-50°C (non-condensing)
Noise Level	Less than 50 dBA @ 1 Meter	Less than 55 dBA @ 1 Meter	Less than 58 dBA @ 1 Meter
MANAGEMENT			
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC

6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC

**Long-run model is only available in 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).

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

PRODUCT CODE	ITEM
97617302	Maxima Online 3kVA 1Ph 220V 6x12V9h
97617602	Maxima Online 6kVA 1Ph 220V 16x12V9h
97617103	Maxima Online 10kVA 1Ph 220V Tower

