10910255



VOLTAGE PROTECTION

VOLTSURE UPS RANGE



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 • Wide input voltage range (110 V -300 V) accuracy within +/- 1% for output voltage. It can be applied to • Programmable power management outlets precious test and IT equipment. A DSP controller provides an . 50/60 Hz Frequency Converter Mode 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 • DSP technology applied for 6K and up models charger for optimised battery performance. This feature extends • Maintenance bypass available for 6K and up models 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 · Adjustable battery numbers for 6K and up models up models) can be used in parallel operation with up to 3 units. It • Built-in isolation transformer (option) 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.



Features

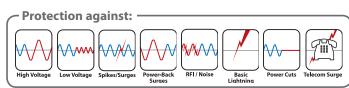
- · Output power factor 0.8

- · 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

- Optional N+X parallel redundancy available for 6K and up

Applications

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



TECHNICAL SPECIFICATIONS

MODEL		Maxima 3K	Maxima 6K
PHASE		Single phase	with ground
CAPACITY*		3000 VA / 2400 W	6000 VA / 4800 W
INPUT			
Nominal Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC	208/220/230/240VAC
Input Voltage Range		55-150 VAC or 110-300 VAC	110-300 VAC
		(Based on load at 50%)	(Based on load at 50%)
		85-140VAC or 160-280VAC	176-300 VAC
		(Based on load at 100%)	(Based on load at 100%)
Frequency Range		40Hz ~ 70 Hz	46~54 Hz or 56~64 Hz
Power Factor		0.99 @ Nominal Vo	oltage (100% load)
OUTPUT			
Output Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC	208/220/230/240VAC
Voltage Regulation			1%
	(Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz	46~54 Hz or 56~64 Hz
Frequency Range		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz	50 Hz or 60Hz ± 0.1 Hz
Current Crest Ratio		3:1	
Harmonic Distortion	on	3 % THD (L	·
		6 % THD (Non-linear Load)	5 % THD (Linear Load)
	AC Mode to Battery Mode	Ze	
	nverter to Bypass	4 ms (Typical)	Zero
Waveform (Batt. M	lode)	Pure Sii	newave
EFFICIENCY		***	
AC Mode		90%	92%
Battery Mode		88%	90%
BATTERY	Data a Tara	121/	I O ALL
Standard Model (12 V /	
	Numbers Time	6	16
	Typical Recharge Time	4 hours recover to 90% capacity	9 hours recover to 90% capacity
	Charging Current (max.)	1A	1A/2A
INDICATORS	Charging Voltage	82.1 VDC ±1%	218.4 VDC ±1%
LCD		Load level, Battery level, AC mode, Battery r	and Dynass made and Fault indicators
ALARM		Load level, battery level, AC mode, battery i	node, bypass mode, and radit indicators
		Counding ou	ory A soconds
Battery Mode		Sounding every 4 seconds Sounding every second	
Low Battery		Sounding every second Sounding twice every second	
Overload Fault		Continously sounding	
PHYSICAL		Continousi	y sounding
	Dimension D.v.W.v.H.(mm)	421 x 190 x 318	369 x 190 x 688
Standard Model Dimension, D x W x H (mm) Net Weight (kgs)		27.6	61
ENVIRONMENT		27.0	UI
Humidity		20-90 % RH @ 0- 40°C (non-condensing)	0-95% RH @ 0-50°C (non-condensing)
Noise Level		Less than 50dBA @ 1 Meter	Less than 55dBA @ 1 Meter
		EC33 CHAIT JOUDA (# 1 MICIEI	Ecos than South @ 1 Metel
MANAGEMENT			
MANAGEMENT Smart RS-232/USB		Supports Windows 2000/2003/XP/Vi	sta/2008/7/8 Linux Unix and MAC

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

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

^{*} Product specifications are subject to change without further notice

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



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