



Standalone Inverter

XDA series (1-3kW)

PRODUCT DESCRIPTION

The XDA series (1-3kW) is a standalone, pure sine wave inverter, utilising advanced power electronic and microprocessor technology to provide superior energy efficiency to meet the demands of telecommunications as well as IT management, automation and networking applications.

The standard 19" mount design allows flexible installations in both existing and new requirements.

KEY FEATURES

- **Cost Effective Solution**
- **2U Compact Rack Design**
Small and compact for easy installation
- **Efficiency**
Peak efficiency @ >88% (24V)
Peak efficiency @ >90% (48V)
Peak efficiency @ >91% (125V)
- **Wide Operating Temperature Range**
Operates up to 60 degrees C
- **Safety Protection**
Reverse current and short circuit protection
- **Optional SNMP**

APPLICATIONS

All business-critical applications and all types of AC loads, including but not limited to:

- Telecommunications
- Computer Peripherals
- IT Equipment
- Automation and Networking

TECHNICAL SPECIFICATIONS

MODEL	XDA-1kW	XDA-2kW	XDA-3kW
Capacity (W)	1000W	2000W	3000W
DC INPUT			
Nominal Input Voltage	24Vdc, 48Vdc, 110Vdc, 125Vdc		48Vdc, 125Vdc
Input Voltage Range	24Vdc (20V to 30V); 48Vdc (40V to 60V), 110Vdc (95V to 140V); 125Vdc (105V to 150V)		48Vdc (40V to 60V), 125Vdc (105V to 150V)
Input Current	24V/50A, 48V/25A, 110V/10.9A, 125V/9.6A	24V/100A, 48V/50A, 110V/21.8A, 125V/19.2A	48V/75A, 125V/28.8A
Connections	Terminal Blocks		
INVERTER AC OUTPUT			
Rated Continuous Power	1000W	2000W	3000W
Maximum Surge Power	1200W	2400W	3600W
Rated Voltage Range	115VAC or 230VAC (re-settable ± 10% of rated voltage via front panel)		
Frequency	50Hz or 60Hz ± 0.1%, auto sensing by AC power source		
Power Factor	1		
Voltage Regulation	<2% @ linear load		
Waveform	Pure Sine Wave		
THD Distortion	<3% @ linear load		
Efficiency (full load)	>88% (24Vdc), >90% (48Vdc) & >91%(125Vdc)		
Crest factor	3:1		
PROTECTION			
Short Circuit	Inverter Shutdown, Restore on Recovery		
DC Polarity Reverse	Yes		
Overload	105%~125% for 60s; 126%~150% for 30s; >151% for 1s/shut-off		105%~125% for 30s; 126%~150% for 3s; >151% for 1s/shut-off
Over Temperature	Inverter shutdown when temperature over 75°C		
INDICATORS & INTERFACE			
LCD Display	AC Output: Voltage/Freq.; DC Input: Voltage/Current; Polarity Reverse Load: Current/Percentage; Temperature: Operating/Over		
LED Display	Inverter status, Fault / Load, DC Input		
Communication Interface (Option)	Dry Contact , RS-232 , SNMP (External type)		
OPERATING ENVIRONMENT			
Operating Temperature	-20°C to +60°C (derated power @ >40°C)		
Relative Humidity	0-90%, non-condensing		
PHYSICAL			
Unit Dimensions WxDxH (mm)	432 x 480/510 x 89 (2U)		
Unit Packing Net Weight (kg)	10	11	12