



ORYX 5K-48 SMART INVERTER

5000 VA / 5000 W

GENERAL FEATURES

- Pure sine wave solar inverter
- Detachable LCD control module with multiple communications
- Wide DC input range
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Support USB On-the-Go function
- Reserved communication port for BMS (RS485):
Control interface for Rentech Lithium batteries implemented
- Smart battery charger design for optimized battery performance
- Battery independent function
- Parallel operation with up to 9 units



PRODUCT SPECIFICATIONS Product specifications are subject to change without further notice

MODEL	Oryx 5K-48
Rated power	5000 VA / 5000 W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz / 60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Overload capacity	5s @ ≥ 150% load 10s @ 110%~150% load 100ms @ ≥ 200% load
Efficiency (Peak)	93%
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC (Adjustable)
Overcharge Protection	63 VDC (Adjustable)
Battery Types	Lead-acid OR Lithium (With BMS communication for Rentech LFP batteries)
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Power	5000W
MPPT Range @ Operating Voltage	120 ~ 430VDC
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
PHYSICAL	
Dimension: D x W x H (mm)	140 x 295 x 468
Net Weight (kg)	12Kg
Communication Interface	USB, RS232, RS485, Bluetooth
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

