

## 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 $\pm$ 5%
Overload capacity		5s @ $\geq$ 150% load   10s @ 110%~150% load   100ms @ $\geq$ 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 communcion for Rentech LFP batteries)
SOLAR CHARGER & AC CHARGER		
Solar Charger type		MPPT
Maximum PV Array Power		4500W
MPPT Range @ Operating Voltage		120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage		450 VDC
Maxmum 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