Orca™

PRODUCT CATALOGUE · 2026

ORCA POWERS · POWER DIVISION

Reliable power, every load.

Inverters, MPPT solar charge controllers and online UPS systems for homes, businesses and critical equipment.



01

Ranger

Pure sine-wave inverters · 1–5 kVA

02

Guard

MPPT solar charge controllers · 20–60 A

03

Cruiser

True online double-conversion UPS · 1–5 kVA

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HOME & COMMERCIAL INVERTERS

Ranger Series

Pure Sine-Wave Inverters

Stable, efficient power backup for homes, shops and small commercial applications, safe for sensitive electronics.

1 kVA	2 kVA	3 kVA	5 kVA
OR-RG1K	OR-RG2K	OR-RG3K	OR-RG5K



Pure Sine
Wave output, safe for electronics

1–5 kVA
Four models for home & business

12–48 V
Battery system, model dependent

Fast
Changeover for uninterrupted power

KEY FEATURES

Dependable backup, day after day

Pure Sine Wave Output
Clean AC power that is safe for computers, TVs and other sensitive electronics.

High-Efficiency Design
An efficient inverter design gets more backup from every battery charge.

Fast Changeover
Switches over quickly when the grid fails, so power stays uninterrupted.

Intelligent Charging
Smart battery charging that supports tubular and SMF batteries.

Complete Protection
Overload, short-circuit and reverse-polarity protection, with wide input voltage tolerance.

Rugged & Quiet
A metal enclosure for long life, plus low-noise operation with optimised cooling.

MODEL RANGE

MODEL	CAPACITY	BATTERY	APPLICATION
OR-RG1K	1 kVA	12 V / 24 V	Home / Office
OR-RG2K	2 kVA	24 V	Home / Office
OR-RG3K	3 kVA	48 V	Commercial
OR-RG5K	5 kVA	48 V	Commercial

IDEAL FOR

- ✓ Shops & offices
- ✓ Computers, lights, fans & TVs
- ✓ Small commercial loads

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MPPT SOLAR CHARGE CONTROLLERS

Guard Series

Maximum Solar Harvest, Safe Charging

Dedicated MPPT controllers with an industrial-grade design, built to perform reliably in high-temperature environments.

20 A	30 A	40 A	60 A
OR-MP20	OR-MP30	OR-MP40	OR-MP60



>98%
Charging efficiency, multi-stage

20–60 A
Four current ratings

250 VDC
Max PV input voltage (OR-MP60)

Li + PbA
Automatic battery detection

KEY FEATURES

Get more from every solar panel

Advanced MPPT Algorithm
Maximum power point tracking extracts the most energy from your panels, with high PV input voltage support.

High Charging Efficiency
Greater than 98% efficiency with multi-stage battery charging.

Automatic Battery Detection
Supports both lead-acid and lithium batteries.

LCD Display
Real-time charging and battery parameters at a glance.

Comprehensive Protection
Electronic protection for the panel, the controller and the battery.

Industrial-Grade
Compact design with reliable performance in high-temperature environments.

MODEL RANGE

MODEL	CURRENT	SYSTEM VOLTAGE	MAX PV VOLTAGE
OR-MP20	20 A	12 V / 24 V	230 VDC
OR-MP30	30 A	12 V / 24 V	230 VDC
OR-MP40	40 A	12 V / 24 V	230 VDC
OR-MP60	60 A	24 V / 48 V	250 VDC

IDEAL FOR

- ✓ Standalone solar systems
- ✓ Solar battery charging
- ✓ Off-grid solar projects

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ONLINE UPS

Cruiser Series

True Online Double-Conversion UPS

Clean, uninterrupted, pure sine-wave power for servers, medical devices and critical equipment, built for 24×7 operation.

1 kVA	2 kVA	3 kVA	5 kVA
OR-CR1KO	OR-CR2KO	OR-CR3KO	OR-CR5KO



0 ms
Transfer time, true double conversion

Pure Sine
Wave output for sensitive loads

1–5 kVA
Four models, rack / tower convertible

24×7
Designed for critical operation

OVERVIEW

Power protection without compromise

The Orca Cruiser Series is a range of online uninterruptible power supply (UPS) systems for both residential and commercial applications. Cruiser units deliver reliable, high-quality AC power to sensitive equipment, safeguarding it against power interruptions, voltage fluctuations, surges and frequency variations.

Why Cruiser

- Zero transfer time (0 ms)
- Stable output voltage & frequency
- High input power factor
- Wide input voltage & frequency range
- Intelligent battery management
- Optional SNMP / network monitoring

APPLICATIONS

Built for every critical load

Residential
Reliable backup for large homes and essential appliances.

Commercial
Keeps offices, shops and small industries running smoothly.

Critical Equipment
Protects sensitive devices such as servers and medical equipment.

Cruiser Series

TRUE ONLINE DOUBLE-CONVERSION UPS

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KEY FEATURES

Engineered for clean, continuous power

Double-Conversion Online Technology

Converts incoming AC power to DC and back to AC, giving clean, stable and uninterrupted output for sensitive devices.

True Sine Wave Output

Pure sine-wave AC output, ideal for computers, medical equipment and industrial machinery that need reliable power.

Adaptive Battery Charging Control

ABCC enables faster, smarter battery charging, which extends battery life and optimises performance during outages.

Advanced LCD Display

Real-time status: battery level, load level and input/output voltage, for easy monitoring at a glance.

Flexible Battery Compatibility

Supports flat, tubular and lithium batteries, depending on the UPS model.

Rack / Tower Convertible

Flexible installation (model dependent), with optional SNMP card for remote network monitoring.

MODEL RANGE

Choose your capacity

MODEL	CAPACITY	TOPOLOGY	OUTPUT WAVEFORM	TRANSFER TIME
OR-CR1KO	1 kVA	Online double conversion	Pure sine wave	0 ms
OR-CR2KO	2 kVA	Online double conversion	Pure sine wave	0 ms
OR-CR3KO	3 kVA	Online double conversion	Pure sine wave	0 ms
OR-CR5KO	5 kVA	Online double conversion	Pure sine wave	0 ms

Battery configuration, mounting and SNMP options vary by model. Contact Orca for detailed technical datasheets and runtime sizing.

IDEAL FOR

Where Cruiser fits

- ✓ Servers & data centers
- ✓ Medical equipment
- ✓ Banking & telecom
- ✓ Industrial automation
- ✓ Offices & retail
- ✓ Large homes

Need help sizing your UPS?

Tell us your load and backup time, and our team will recommend the right Cruiser model and battery bank.

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ABOUT ORCA POWERS

A high-tech enterprise focused on new energy

Orca Powers Pvt Ltd provides one-stop power solutions across energy, transportation, medical care, finance, municipal facilities, industrial manufacturing and more. From large engineering tenders to OEM/ODM customisation, we offer complete services from design to finished product, with our own manufacturing facility in Thrissur, Kerala.

We specialise in advanced inverter and UPS technologies, combining robust power hardware with intelligent control, real-time monitoring and protection, designed to be easy to install, operate and maintain.

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Warranty registration & support · www.orcapowers.com/support

ISO 9001:2015

MSME

MAKE IN INDIA

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