Orca

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

OVERVIEW

Dependable backup, day after day

The Orca Ranger Series is designed for home and small commercial applications, offering stable power backup with pure sine-wave output and high efficiency.

Intelligent charging, fast changeover and complete electronic protection keep your lights, fans, computers and TVs running through every power cut, inside a rugged metal enclosure built for long life.

Why Ranger

- Pure sine wave output
- High-efficiency inverter design
- Fast changeover
- Supports tubular & SMF batteries
- Wide input voltage tolerance
- Low-noise operation, optimised cooling

APPLICATIONS

Ideal for

Shops & Offices
Keeps work and business running through power cuts.

Everyday Appliances
Computers, lights, fans and TVs.

Small Commercial Loads
Reliable backup for small commercial sites.

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KEY FEATURES

Engineered for clean, reliable backup

Pure Sine Wave Output

Clean AC power that is safe for computers, TVs and other sensitive electronics.

High-Efficiency Inverter Design

An efficient design gets more backup time from every battery charge.

Fast Changeover

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

Intelligent Battery Charging

Smart charging that supports both tubular and SMF batteries, for longer battery life.

Complete Protection

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

Rugged & Quiet

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

MODEL RANGE

Choose your capacity

MODEL	CAPACITY	BATTERY SYSTEM	OUTPUT WAVEFORM	APPLICATION
OR-RG1K	1 kVA	12 V / 24 V	Pure sine wave	Home / Office
OR-RG2K	2 kVA	24 V	Pure sine wave	Home / Office
OR-RG3K	3 kVA	48 V	Pure sine wave	Commercial
OR-RG5K	5 kVA	48 V	Pure sine wave	Commercial

Backup time depends on battery capacity and connected load. Contact Orca for battery sizing and detailed technical datasheets.

IDEAL FOR

Where Ranger fits

- ✓ Homes
- ✓ Shops & offices
- ✓ Computers & TVs
- ✓ Lights & fans
- ✓ Small commercial loads

Need help choosing a model?

Tell us what you need to run and for how long, and our team will recommend the right Ranger model and battery.

Phone 0484 455 3853 · +91 89434 04505
Email info@orcapowers.com
Web www.orcapowers.com