

REVOV CUBE



KEY FEATURES

- 19-inch racked and cubed shape - for a below the counter space saving installation that is neat and compact.
- Front glass door for easy view and access of installation, and to keep the installation protected and dust free.
- Pre-configured UPS (uninterruptible power supply) with optimal parameters supplying backup for essential circuits in home and office.
- 5kVA/10.2kWh plug-and-play, pre-programmed, all in-one unit.
- Integrated BMS with CANbus and RS485.
- LCD display shows battery information such as state of charge configuration.
- Warranted for daily cycling with built in protection - over-discharge / over-charge protection temperature protection, short circuit protection.
- Supplies AC power – pure Sine Wave AC Output – seamless backup transition.
- Fast charging from grid (or solar).
- Optional remote monitoring function.
- Solar compatibility MPPT enabled.

Note:

This unit is not IP rated so the unit must reside indoors.

FREEDOM FROM DEPENDENCE

WWW.REVOV.CO.ZA

The **REVOV CUBE** is a compact, fully integrated, and all-in-one backup system with pre-programmed batteries, a pre-cabled BMS and a 5kW inverter with 80A MPPT. This UPS comes in 2 storage sizes with either one or two of the **REVOV 2nd Life R100** CANbus enabled batteries.

The entire unit contains all the necessary wiring and correct fusing, thereby making it quick to install and easy to store in a neat 19-inch racked unit. Its cubed shape makes it easy to fit under any counter height space, typically found in offices or homes. The complete 5.1 kWh / 10.2kWh units are perfect for residential or small business requiring backup power such as call centres, and it is housed and protected in a glass fronted case, keeping it clean and dust free.

This DC system stores energy, detects grid status, and automatically supplies your home when the national grid is compromised. Unlike generators, the **REVOV CUBE** requires no maintenance or fuel, creates no fumes and is very quiet. Power can be stored from Solar or from the Grid.

Note: The distribution board of the home will need attention by a qualified electrician, to sort into Essential and Non-Essential circuits and accompanying protection e.g. AC breakers.

WARRANTY

REVOV Batteries (PTY) LTD: 10 years or 3 500 cycles at 1 cycle per day. Warranty for inverter depends on brand used in the **CUBE**.

DOD When used properly every day the **CUBE** can be safely discharged to 100% of its rated 200Ah capacity. Battery life is shortened if it is discharged beyond its rated Ah capacity. Battery must be charged to 100% on every cycle to ensure warranty.

BMS FUNCTION

- Cell and battery voltage detection.
- RS485/CAN communication interface.
- Battery charge and discharge Protection control (MOSFET).
- Cell, ambient and MOSFET temperature monitoring.
- LCD display of the Battery capacity and number of cycles.
- Cells balancing - Equalization of single cells intelligently.
- Watchdog protection to ensure safe operation.

SPECIFICATIONS

	200Ah	100Ah
Nominal Voltage DC	51.2V	
Energy Capacity	10.2kWh	5.1kWh
Charge current	60A	
Recommended Recharge	4hours at 50A	2 hour at 25A
Single Phase AC Output	220 - 240V AC	
Depth of Discharge	100%	
Round Trip Efficiency	90%	
Max Power - continuous	5kW	3kW
Unit Size: L x W x D	1950mm x 550mm x 300mm	
Battery Size: Length x Width x Height (mm)	520 x 442 x 170	
Battery Weight	53kg each	

NOMINAL SPECIFICATIONS

	200Ah	100Ah
Nominal Voltage	51.2 (25.6V x 2)	
Capacity (C/2) (Ah)	200	100
Energy (C/2) (kWh)	10.2	5.1
Maintenance	Charge the battery every 6 months when in storage	

OPERATING CONDITIONS

Design Cycle Life + 25°C	7000+ cycles
Operating Temperature	0-45°C
Transport regulation compliance	UN3480
Storage temperature	-10°C-+45°C (< 6 months, SOC: 20%-60%)
EMC standard compliance	EN 61000 chapter 4.2, 4.3, 4.5, 4.6/EN55022
Certificate	TUV SUD/CE UL1642/UN38.3
Protection class	IP20



CONTACT DETAILS

Unit 3, 98 Newton Road, Meadowdale, Germiston, South Africa, 1614
 eMail: info@ampleenergy.co.za | Enquiries: 011 613 6921 |
 Website: www.ampleenergy.co.za



Distributed by
AMPLE ENERGY
 PARTNERS IN ENERGY