



CUBE All-In-One Backup System

The **REVOV CUBE** is a compact, fully integrated, and all-in-one backup system with pre-programmed 5kVA inverter with 4000W MPPT, pre-connected batteries 5.1kWh/10.2kWh and BMS. The entire unit contains all the necessary wiring and correct fusing, thereby making it quick to install and easy to store.

The complete 5.1kWh /10.2kWh units are perfect for residential or small businesses requiring backup. This DC system stores energy, detects grid status, and automatically supplies your home or business when the national grid is compromised.

KEY FEATURES

- The **CUBE** is a 5kVA 5.1kWh/10.2kWh pre-configured UPS Inverter with an immediate backup transition from grid to battery power
- Provision for the attachment of solar panels with built-in MPPT solar charge controller, capable of 4000W input at 130VDC
- Warranted for daily cycling with built in protection
- Pure Sine Wave AC Output- long-lasting and safe, with no damage to appliances
- Optional monitoring function
- Three phase & parallel configurations available on request (3 CUBE units)

Note:

- The **CUBE** is not IP rated so the unit must be installed indoors.
- A qualified installer and/or electrician will need to install the **CUBE**.

CODE: SYS-2LiFe-CUBE-100-5.1 , SYS-2LiFe-CUBE-200-5.1

WARRANTY

REVOV Batteries (PTY) LTD: 10 years or 3 500 cycles at 1 cycle per day. 1 year warranty for **MUST** inverter used in the **CUBE**.

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

SPECIFICATIONS

OUTPUT	
Transfer Time	Max 20ms
Waveform	Pure Sine Wave
Power Output	4200W
Max Peak Power Output	5000W for 10sec
Voltage	230V
BATTERY	
Nominal Voltage	51.2VDC
Nominal Capacity	100Ah 200Ah
Bulk/Absorption Voltage	55.5V
Floating Charge Voltage	54.5V
Max Charge Current	15A Per Battery
Energy Capacity	5.1kWh 10.2kWh
Recommended Charge Current	30A
Available Depth of Discharge	95%
Maintenance	Charge the battery every 6 months when not in use.
SOLAR CHARGER	
Max Charging Current	80A
System Voltage	48VDC
Operating Voltage Range	100 ~ 135VDC
Max. PV Array Open Circuit Voltage	145VDC
Max PV Array Power	4000W
DIMENSIONS & WEIGHT	
Dimension (LxWxH)	600mm x 600mm x 635mm
Unit Weight (kg)	82kg 124kg