

REVOV C8 51.2V 220Ah 11.2kWh



FREEDOM FROM DEPENDENCE

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KEY FEATURES

- **LiFePO4** chemistry is very safe even if fully charged.
- Reliability – battery designed to operate in almost any environment.
- Supports parallel bus bar connection.
- External BMS.
- Manufacturing plants comply with the legislation in each country and with international quality standards ISO9001 and Qs9000.
- Residential, Business, Factory, Data Centres or Telecoms Base Station backup.
- Solar, Wind or Hybrid Storage.
- Reduced Peak Usage Charges from the Grid.

The **REVOV LiFePO4 51.2V C8** is an energy storage Lithium Iron Phosphate battery designed to be part of an inverter-controlled energy storage system for residential, business or factory power backup.

REVOV'S superior 16 cell configuration is made up of automotive grade cells, which is designed to withstand harsher conditions, extreme temperatures and with a higher energy density.

The **C8** battery utilises cells manufactured by the largest producer of **LiFePO4** cells supporting renewable storage projects across Europe, UK, Japan and has been a long time supplier to companies like BMW, Volkswagen and Volvo.

WARRANTY

REVOV Batteries (PTY) LTD: 10 years or 3 500 cycles at 1 cycle per

day. **DoD** When used properly every day the C8 can be safely discharged to 100% of its rated 220Ah capacity. Battery life is shortened if it is discharged beyond its rated Ah capacity.

BMS FUNCTION

- Cell and battery voltage detection.
- RS485 communication interface.
- Battery charge and discharge control (MOSFET).
- Cell, ambient and MOSFET temperature detection.
- Display of the Battery capacity and number of cycles.
- Cells balancing – Equalization of single cells intelligently.
- Watchdog protection for circuits to ensure safe operation.

SPECIFICATIONS

Float Charge 54.5V

Charge Voltage
Boost / Absorption
Charge 55.5V

Peak Charge Current 100A

Recommended Charge 50A

Peak Discharge Current 150A

**Recommended Current to
prolong battery life** 125A

Max Rated Output Power @

Nominal Voltage 7680V

Recommended Continuous Output

**Power @ Nominal Voltage to prolong
battery life** 5120V

Recommended Recharge Time 2-4hrs

Nominal Voltage 51.2V **Capacity** 220Ah

BMS Size: Length x Width x Height 483mm x 280mm
x 42mm

BMS Weight: 3.6kg

Battery Size: Length x Width x Height 457mm x 442mm
x 223mm

Battery Weight: 58kg

**Each BMS must have a dedicated fuse (125A)
to protect the system**

NOMINAL SPECIFICATIONS

Matched Pair

Nominal Voltage	(2x25.6) 51.2
Capacity (C/2)	220Ah
Energy (C/2)	11.2Wh
Maintenance	Charge every 6 months

OPERATING CONDITIONS

Lifetime Warranty 10 years 3500 cycles

Designed Cycle Life 7000+ cycles

**Operating
Temperature
Charge:** Zero / 45oC
Discharge: -20oC / 60oC
Transport

UN3840

Regulation

Compliance

Short Term Storage:

-10oC~+30oC
(<3 months, SOC:
20%~60%)

Storage Temperature

Long Term Storage:

0~+30oC
(< 1 year, SOC:
30%~60%)

