

REV OV 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 **REV OV 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.

REV OV'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

REV OV 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

Charge Voltage	Float Charge	54.5V
	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 / 45°C
Discharge:	-20°C / 60°C
Transport Regulation Compliance	UN3840
Storage Temperature	Short Term Storage: -10°C~+30°C (<3 months, SOC: 20%~60%) Long Term Storage: 0~+30°C (< 1 year, SOC: 30%~60%)

