



## PRODUCT SPECIFICATIONS

**Revov LiFe 51.2 V** LiFePO4 Battery Energy Storage System

**Models: 220Ah (11.2kWh)**

REVVOV LiFe 51.2V energy storage system is a Lithium Iron Phosphate based system expertly assembled to meet the highest standards of SAFETY, RELIABILITY and LONGEVITY. They are the perfect choice to provide backup, primary and secondary power where daily cycling of the system is required.

REVVOV LiFe batteries are designed with a cycle-life of over 3600 cycles, making them ideal for residential, commercial and industrial applications. This premium product delivers the highest quality, extreme temperature resilience, high energy density, low weight in a small form factor. REVVOV LiFe batteries' weight and size allows for wall mounting.

CATL - the world's largest producer of Lithium-ion cells, supporting renewable storage projects across Europe, UK, Japan and has been a long time supplier to companies like BMW, Volkswagen and recently Volvo. CATL provides the cells in REVVOV LiFe batteries - bringing those same levels of quality, prestige and reliability to Southern Africa.

## APPLICATION

- Residential Backup and Solar
- Business and Factory Backup
- Reduce Grid Electricity Usage
- Solar, Wind or Hybrid Storage
- Reduce Peak Usage Charges
- Data Centres
- Telecoms Base Stations
- Utility Peaking, Frequency Modulation
- Utility Dispatchable Solar and Wind



## BATTERY MANAGEMENT SYSTEM FUNCTION

- Cell and battery voltage detection
- Battery charge and discharge control
- Cell, ambient and MOS temperature detection
- Battery capacity and number of cycles
- MOSFET charge and discharge
- Equalization of single cells intelligently
- Rs458 communication interface
- Watchdog protection for circuits to ensure safe operation
- Data storage

## KEY FEATURES OF REVVOV LiFe:

- LiFePO4 chemistry which is considered very safe even if fully charged
- Reliability - battery designed to operate in almost any environment
- Durability - life expectancy exceeding 10 years at 25°C
- Light weight - each battery weighs only 37kg
- Supports parallel connection
- External BMS (24V and 48V)
- No active cooling required

## COMMUNICATION

Communication interface (RS485, Modbus)

## ADVANTAGES

- Best cost per cycle in Southern Africa
- Safest Lithium-ion Chemistry
- Excellent temperature resilience

# NOMINAL SPECIFICATIONS

Matched pair

Nominal Voltage (V)	(2x25.6) 51.2
Capacity (Ah)	220
Energy (kWh)	11.2
Storage	Charge every 6 months

# PRODUCT DIMENSIONS AND WEIGHT

Lenght (mm)-BMS	280
Width (mm)-BMS	482.8
Height (mm)-BMS	41.8
Weight (kg) - BMS	3.6
Lenght (mm)-Battery	457
Width (mm)-Battery	442
Height (mm)-Battery	223
Weight (kg) - Battery	58kg

## FOR MORE INFORMATION PLEASE CONTACT

Enquiries: [enquiries@revov.co.za](mailto:enquiries@revov.co.za)

Enquiries: 010 035 6061

Technical Service Desk: 010 035 0680

Technical Service Email: [admin@revov.co.za](mailto:admin@revov.co.za)

Unit 1

Cranberry Street Industrial Park

1486 Cranberry Street

Honeydew, Roodepoort, 2040

GPS: 26°04'46.9"S 27°55'31.7"E

# BACK UP AT VARIOUS AMPERAGES

2h	100A (0.5C)
4h	50A (0.25C)

# ELECTRICAL SPECIFICATIONS

Max Continuous Charge Current (Amps)	100
Max Discharge Current (Amps)	150
Max Output Power (W)	5120
Recharge Time (Hours)	2
Nominal Voltage	51.2
Capacity (Ah)	220

# OPERATING CONDITIONS

Lifetime @ 25°C	10+ years
Cycle life (90% DOD @ 25°C)	6000 Cycles
Operating temperature	Charge :0~+45°C; Discharge:-20~+55°C;
Transport regulation compliance	UN3840
Storage temperature	<b>Short term storage:</b> -10~+30°C ( < 3 months, SOC: 20%~60%) <b>Long term storage:</b> 0~+30°C ( < 1 year, SOC: 30%~60%)
Warranty	10yrs or 3500 Cycles at 1 cycle per day (whichever arrives first)



**FREEDOM**  
FROM DEPENDENCE

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