

# SOLAR MD STORAGE PRODUCTS



## SOLAR MD 114.4 kWh CB39 ADVANCED LITHIUM-ION BATTERY

The CB39 uses Lithium Iron Phosphate cells for its streamlined energy storage.

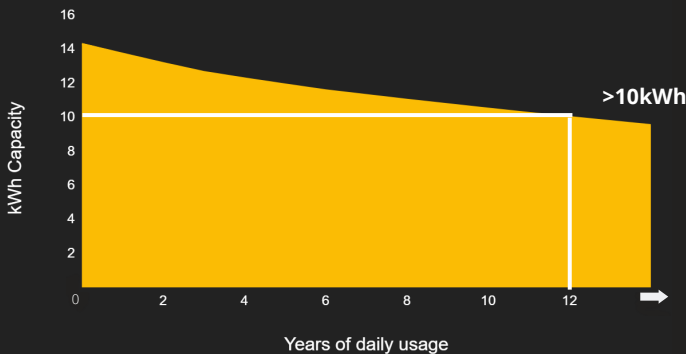
The flexible modular design enables it to be set up with 1-8 SS214 modules.

Capacity can be increased through a parallel connection of the batteries.

### APPLICATIONS

- ✓ Grid tied, off-grid and hybrid inverter and charger systems
- ✓ Residential and commercial UPS systems

Derating in kWh based on usage of 5 MWh / year per SS214 module



Guarantee on Product Material and Workmanship



Energy Output Warranty



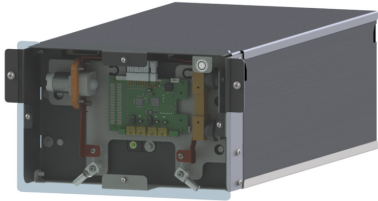
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## CB39

CB39 has been widely used in energy storage applications in the African market. The battery is produced with the world-leading CATL LiFePO4 technology.

## BATTERY FEATURES

- ✓ Stable discharge platform
- ✓ Excellent safety
- ✓ Long life cycle
- ✓ High temperature performance
- ✓ High energy density
- ✓ High charge and discharge rate
- ✓ High efficiency
- ✓ Integrated bus bars in cabinet

CB39	
Cell chemistry	Lithium Iron Phosphate (LiFePO4)
Cell manufacturer	CATL
Rated capacity	114.4kWh
Nominal Power	80.0kW
Usable Battery Energy @0.3C	104.0kWh
Nominal Voltage	51.2V
Number of battery modules	8
Weight per cabinet	950kg
Operational Voltage	44.8 - 55.6Vdc
Communication	CANBUS / RS485
Dimensions W x D x H Cycle	436mm x 707mm x 2260mm
life @25°C	≥6000
Charging Efficiency	99%
Operational temperature	0°C to +50°C
Transport	UN3480 & UN38.3
Storage duration	6 months @25°C
Safety standard compliance	IEC 62619 / UN38.3 / UL1642
Cell certificate	TUV / CE / UL1642



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