

SOLAR MD STORAGE PRODUCTS



SOLAR MD 57.2kWh CB35 ADVANCED LITHIUM-ION BATTERY

The CB35 uses Lithium Iron Phosphate cells for its streamlined energy storage.

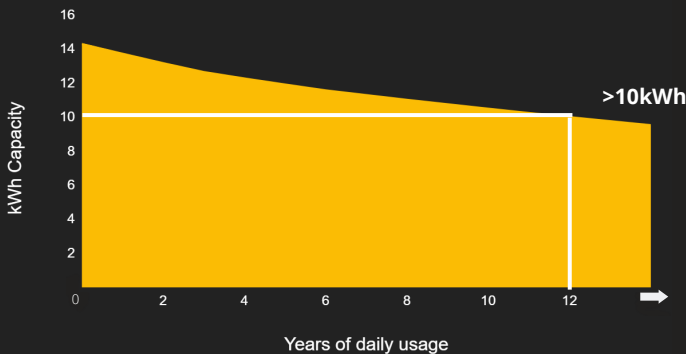
The flexible modular design enables it to be set up with 1-4 SS214 modules.

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



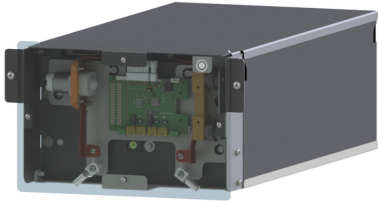
E-Mail: info@solarmd.co.za

Phone: +27 (0)21 555 2181

Web: www.solarmd.com

Address: Unit 23, Alternator Park, 7 Alternator Avenue, Montague Gardens, 7441 Cape Town, South Africa

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CB35

CB35 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

| CB35 | |
|-----------------------------|----------------------------------|
| Cell chemistry | Lithium Iron Phosphate (LiFePO4) |
| Cell manufacturer | CATL |
| Rated capacity | 57.2kWh |
| Nominal Power | 40.0kW |
| Usable Battery Energy @0.3C | 52.0kWh |
| Nominal Voltage | 51.2V |
| Number of battery modules | 4 |
| Weight per cabinet | 470kg |
| Operational Voltage | 44.8 - 55.6Vdc |
| Communication | CANBUS / RS485 |
| Dimensions W x D x H Cycle | 436mm x 707mm x 1300mm |
| 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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