



# 5.12kWh Ultra Slim LifePO4 Battery

The MEGATRON® 5.12kWh Ultra Slim LiFePO<sub>4</sub> energy storage battery delivers long lifecycle reliability, fast charging and 95% usable capacity. The ultra-slim design makes installation clean, simple, and space-efficient.

## Technical Specification

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Model                  | MEG-BATT-1                                      |
| Battery Type           | LiFePO4 (16S)                                   |
| Nominal Capacity       | 5.12 kWh                                        |
| Usable Capacity        | 4.86kWh (95% DOD)                               |
| Nominal Voltage        | 51.2V                                           |
| Working Voltage        | 43.2~58.4Vdc                                    |
| Charging Voltage       | 58.4V                                           |
| Max. Charge Current    | 100A                                            |
| Max. Discharge Current | 150A                                            |
| Communication Port     | RS485, CAN, DRY CONTACT, RS232                  |
| Storage Temperature    | -10°C ~ 35 °C (Recommended)                     |
| Storage Humidity       | 85% (RH)                                        |
| Working Temperature    | Charging: -0 ~ 50 °C   Discharging: 20 ~ 60 °C  |
| Working Humidity       | 95% (RH) No Condensation                        |
| Working Altitude       | 2000M                                           |
| Ingress Protection     | IP55                                            |
| Protective Class       | 1                                               |
| Weight                 | 49kg                                            |
| Dimensions             | 780*698*68mm                                    |
| Design Life            | 10 Years (25)                                   |
| Cycle Life             | 6000 (25 ), 60% EOL                             |
| Scalibility            | Module: Max. 16 in parallel (Capacity 81.92kWh) |
| Certification          | CE, IEC62619, UN38.3 (upcoming)                 |

