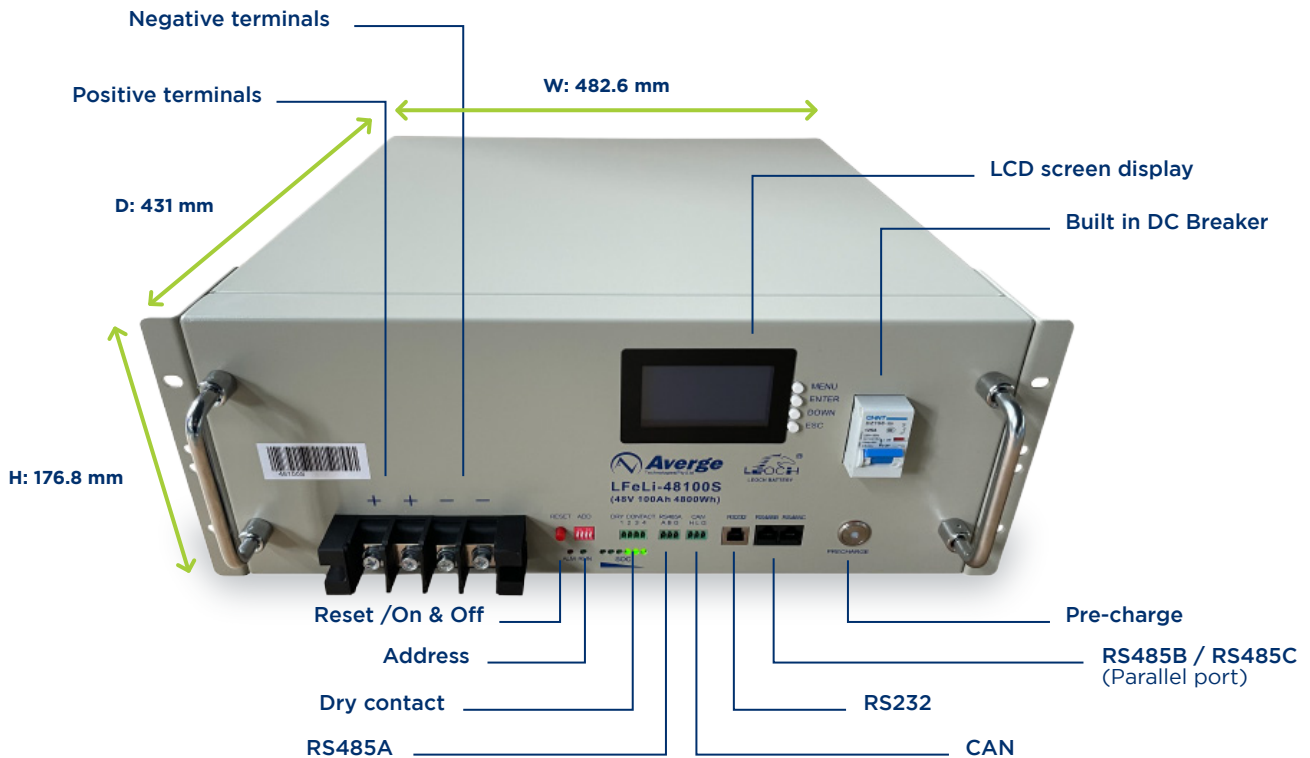


# Multi Protocol BMS

Averge Technologies Lithium Battery



6 layer protection function



First life battery



7 years warranty  
(3500 - 16 000 cycles)



Soft-start / Pre-charge capability



Multiple active protocols



Specialised DC technical support

## COMPATIBILITY

Sunsynk (Deye, Fusion), Victron, Schneider, Phocos, EAST & Various inverters  
via CAN & RS485

## Charge

Rated voltage:	48V (45.5V - 52.5V) [15 Cell]
Range limit:	[41V - 54V max]
Recommended charge setting:	Bulk/Boost/Absorption: 52.7V   Float: 51.0V-52.5V
Rated capacity:	100Ah (4800Wh)
Max charge current:	100A, (1C) (recommended $\leq$ 50A)
Max discharge current:	100A, (1C) (recommended $\leq$ 70A) [120A peak]

## Life

Max cycles (Design life):	More than 16000 Cycles at 10% DOD (more than 20 years)
Min cycle life (Operating life):	More than 3500 at 95% DOD (@25°C) (more than 9 years)
DOD: Recommended: 95% max	Allowed: 100% [Note one must consider connected device's low power consumption]

## Features

<b>New</b> Soft-start/Pre-charge:	0.66-0.77A [2Amax] (Allows low current start up for inverter such as Victron & Schneider that do not include soft-start) (Inverter capacitor pre-charger)
Built in DC breaker:	125A DC breaker and power button.
Auto shutdown:	Low Cell sleep
Over/under-voltage protection:	Load disconnect
Auto-recovery:	Recovers: UVP with charge, OVP with discharge and balancing.
Over/under-temp protection:	Charging: 0 to +50   Discharging: -20 to +50°C   Storage: -20 to +60°C
Charge current limiting:	To 20A (Settable) [Default activation: 60A, settable]
Communication:	RS485; RS232; CAN
Flame retardant:	UL94V-0
Ratings:	IP31; CE-EMC; IEC62619; ISO14001; ISO9001
Compatibility: Active protocols	Victron, SolaX, Goodwe, Imeon Energy, Selectronic, Growatt, Sunsynk, Deye, Schneider, Phocos, MUST, EAST, Sofar, Solis, Sungrow, Delios, Solar Max, Kehua, INVT, Moixa, Ingeteam Power, Sematic

## General Data

Operating temperature:	2 - 38°C (0 - 60°C)
Parallel capability:	Parallel connection is optional up to 16 units (76kWh)
Terminals:	Double Poled (rated 200A max across terminal)
Max relative humidity:	90%
Net weight:	46kg
Alarm:	Led and buzzer (settable)
Unit dimensions [W×H×D]	482.6 × 176.8 × 431mm
Boxed dimensions [W×H×D]	550 × 280 × 550mm

## Installation options

\*Cabinets & wall mount brackets available

