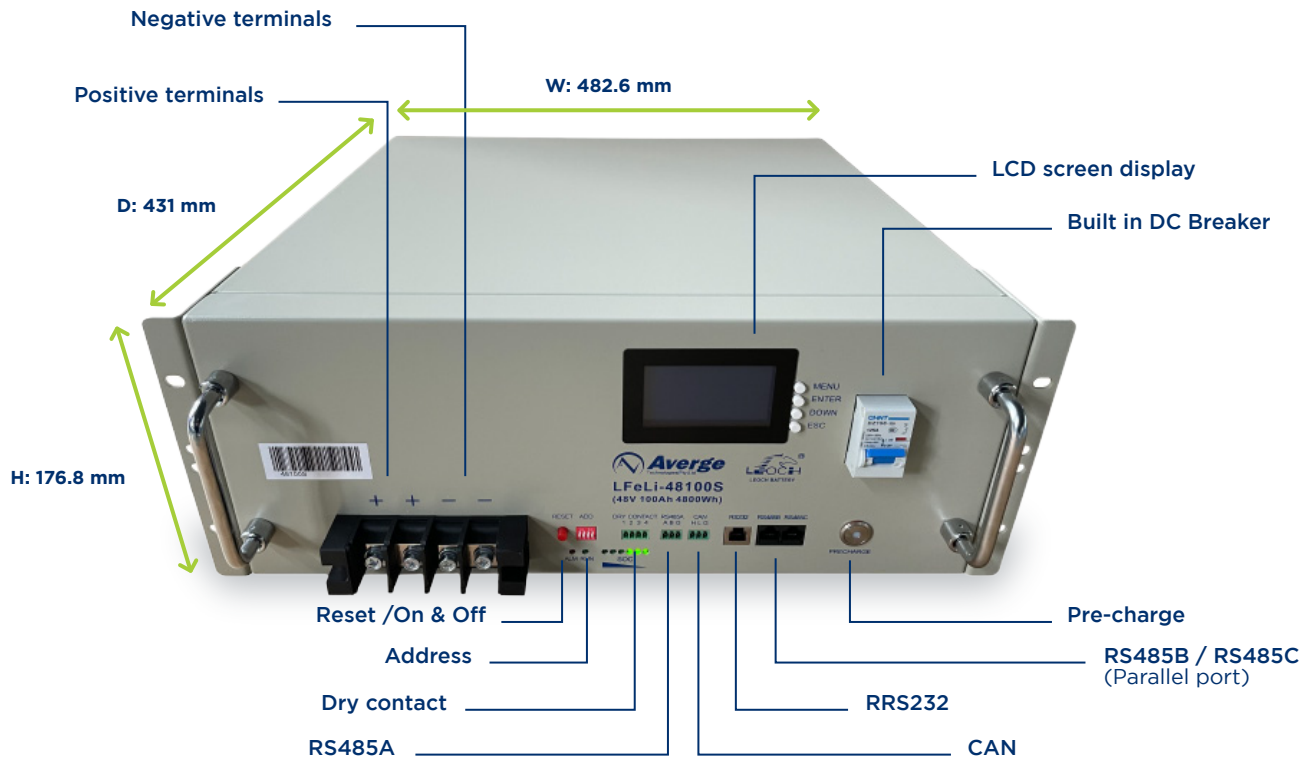


Multi Protocol BMS

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

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 sales@averge.co.za

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 ≤50A)
Max discharge current:	100A, (1C) (recommended ≤70A) [120A peak]

Life

Max cycles (Design life):	More than 16000 Cycles at 20% 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

New 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

