



Lithium-Iron-Phosphate Battery LFP12100

- High Energy Density
- Long Cycle Life
- Replaceable with lead-acid systems
- Light weight



SPECIFICATIONS

Jauch part number	252467
Certification	UN 38.3, CE, RoHS, REACH
	Cell: UL1642, IEC62133

ELECTRIC

Nominal Voltage	12.8 V
Rated Capacity	100 Ah
Energy	1280 Wh
Internal Resistance	$\leq 20 \text{ m}\Omega$ @ 50 % SOC
Cycles	3000 times $\geq 80\%$ DOD
Self discharge	$\leq 3\%$ /Month

MECHANICAL

Casing Material	ABS
Flammability	V0
Configuration	1p4s
Weight	$\sim 11.5 \text{ kg}$
Terminal	M8

SPECIFICATIONS

ENVIRONMENT

Charge temperature range	0°C ~ 55°C
Discharge temperature range	-20°C ~ 60°C
Storage temperature	15°C to 35°C
IP protection level	IP65

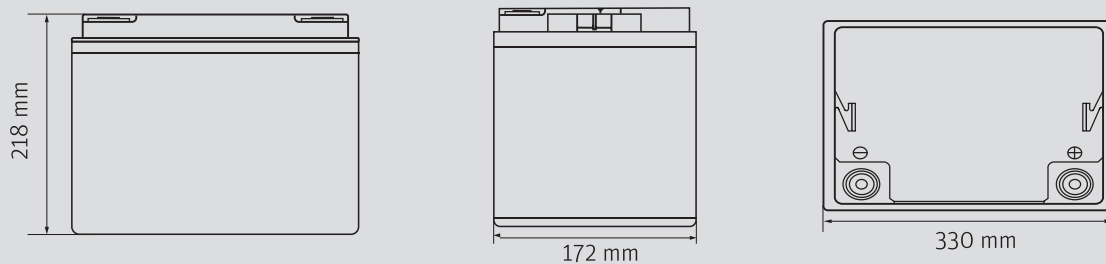
STANDARD CHARGE

Charge voltage	14.4 V ~ 14.6 V
Standard charge current	$\leq 50 \text{ A}$
Maximum charge current	100 A
BMS charge cut-off voltage cell	14.6 V

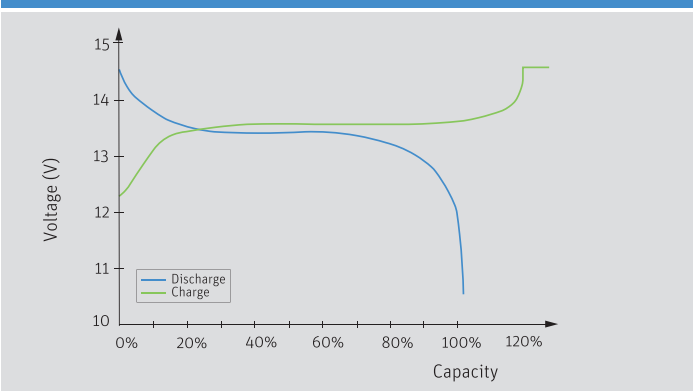
STANDARD DISCHARGE

Discharge current	25 A
Maximum continual discharging current	50 A
BMS discharge cut-off voltage cell	10.8 V

DIMENSIONS (mm)



DISCHARGE CURVE 0.2C, 25°C



DOD-CYCLES 0.2C, 25°C

