



Lithium-Iron-Phosphate Battery LFP1250

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



SPECIFICATIONS

Jauch part number	253127
Certification	UN 38.3, CE, RoHS, REACH
	Cell: UL1642, IEC62133

ELECTRIC

Nominal Voltage	12.8 V
Rated Capacity	50 Ah
Energy	640 Wh
Internal Resistance	$\leq 10 \text{ m}\Omega$ @ 50 % SOC
Cycles	3500 times $\geq 80\%$ DOD
Self discharge	$\leq 2\%$ /Month

MECHANICAL

Casing Material	ABS
Flammability	HB
Configuration	4s1p
Weight	$\sim 6.1 \text{ kg}$
Terminal	M6

SPECIFICATIONS

ENVIRONMENT

Charge temperature range	$-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$
Discharge temperature range	$-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Storage temperature	0°C to $+45^{\circ}\text{C}$
IP protection level	IP65

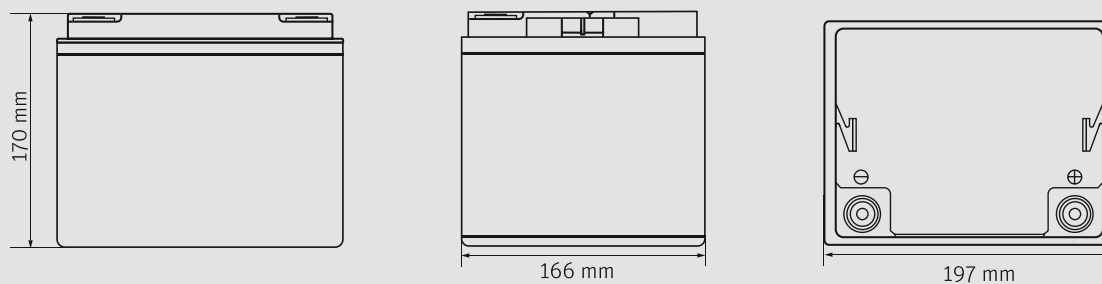
STANDARD CHARGE

Charge voltage	14.0 V ~ 14.4 V
Standard charge current	$\leq 25 \text{ A}$
Maximum charge current	50 A
BMS charge cut-off voltage cell	3.65 V

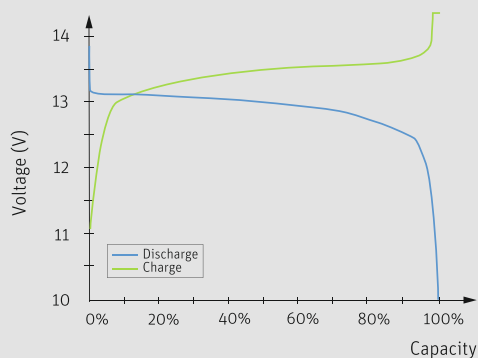
STANDARD DISCHARGE

Discharge current	25 A
Maximum continual discharging current	60 A
BMS discharge cut-off voltage cell	9.2 V

DIMENSIONS (mm)



CHARGE-DISCHARGE CURVE 0.2C, 25°C



DOD-CYCLES 0.2C, 25°C

