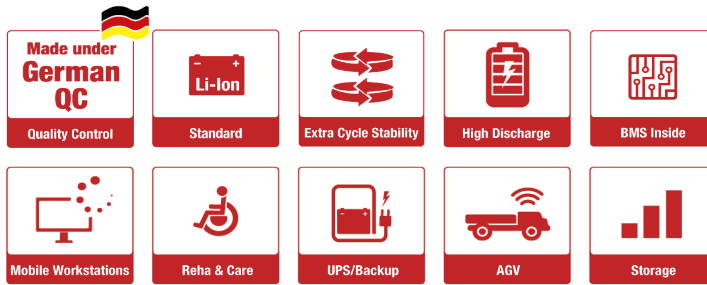


Data sheet



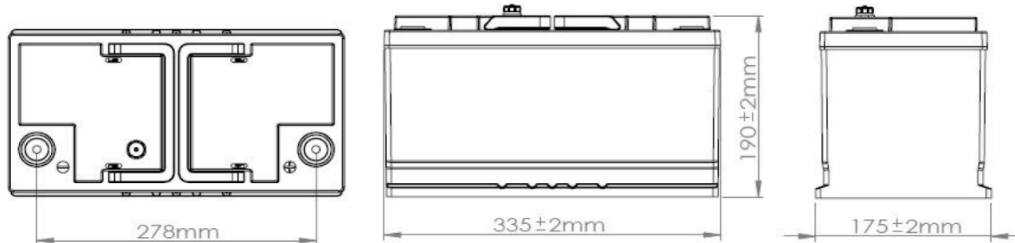
Lithium Iron Phosphate (LiFePO₄)

LiBrick S12-150 CAN



Main Applications

- + Mobile Workstations
- + Reha & Care
- + UPS/Backup
- + AGV
- + Storage
- + Medical Devices
- + Emergency Lights



Electrical Parameter	
Cell type	26650
Technology	Lithium Iron Phosphate (LFP)
Configuration	4S33P
Nominal voltage	12,8 V
Rated capacity	150 Ah
Rated energy	1920 Wh
Internal resistance	10 mΩ
Interconnectable (serial)	4
Interconnectable (parallel)	4

Mechanical Parameter	
Length (±2 mm)	335 mm
Width (±2 mm)	175 mm
Height (±2mm + 15-65mm Weipu)	190 mm
Weight	15500 g
Volumetric energy density	38843,2 Wh/l
Gravimetric energy density	123,9 Wh/kg
Housing	ABS; V0 - UL94
Protection level	(not certified) IP56
Special features	designed for highest safety
Life span* >	5 Years

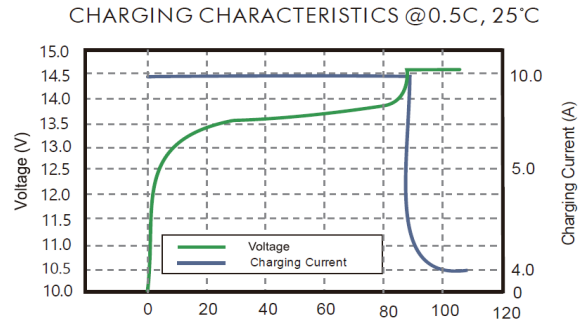
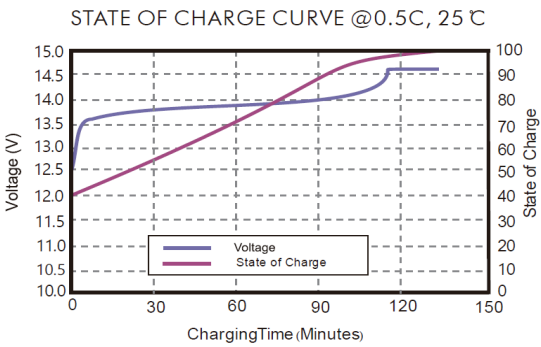
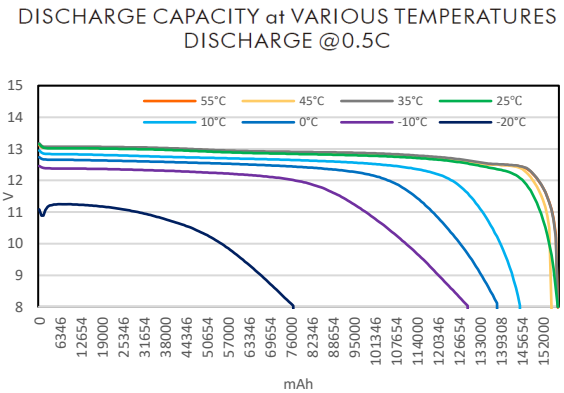
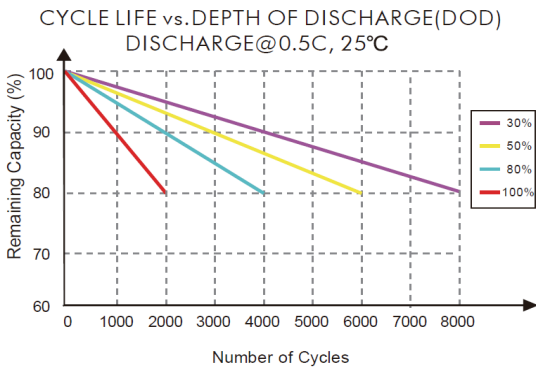
Charge Parameter	
Charging methode	CC-CV
Recomended charge current	75 A
Maximum charge current	150 A
End of charge voltage	14,2 V
Temperature range charge	0 - 45 °C
Temperature range storage	0-40 °C
Humidity range	5-85% %RH
Recuperation	/ A
Cycle life* at 80% DOD	4000

Discharge Parameter	
Constant discharge current	150 A
Peak discharge current	250 A
Duration of peak discharge	<3 s
End of discharge voltage	10 V
Temperature range discharge	-20 - 60 °C
Discharge current @ < -20°C	30 A
Discharge current @ -15°C	75 A
Discharge current @ > 0°C	150 A
Capacity drop at low temp.	80% (-10°C/0.2C) 50% (-20°C/0.2C)

BMS Parameter		
Short circuit protection	320±100	μS
Over current protection	250±20	A
Over current protection	4000±500	mS
Deep discharge protection cell	2.2±0.05/8.8±0.2	V
Deep discharge protection	500-1500	mS
Over voltage protection cell	3.70±0.05/14.6±0.2	V
Over voltage protection	2000±500	ms
Over temp. protection >	65±5	°C
Balancing start voltage >	3350	V
Board consumption (sleep)	1500	μA

Interconnector / Interfaces	
Charge	M8
Discharge	M8
Data	Weipu SP1310
Communication	CAN Bus
Communication protocol	A, Rev. 1

M8	Weipu SP 1310/5P



Suitable Accessories

Compliance	
UN38.3	Yes
RoHS	Yes
REACH	Yes
CE	Yes
UL1642	Cell
IEC 62133-2:2017	Ready
UL2054	Ready

*Values are approximations only. Cycle life and life span significantly depend on usage patterns and ambient conditions.

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