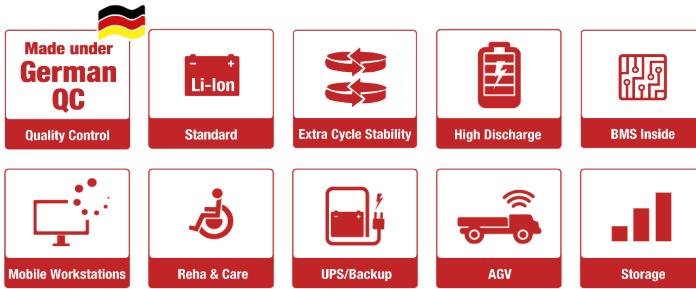


Data sheet



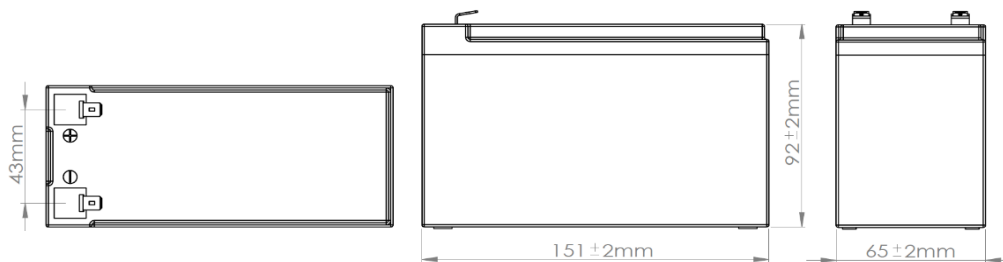
Lithium Iron Phosphate (LiFePO₄)

LiBrick S24-3.3 T2



Main Applications

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



Electrical Parameter	
Cell type	18650
Technology	Lithium Iron Phosphate (LFP)
Configuration	8S3P
Nominal voltage	25,6 V
Rated capacity	3,3 Ah
Rated energy	84,48 Wh
Internal resistance	- mΩ
Interconnectable (serial)	2
Interconnectable (parallel)	4

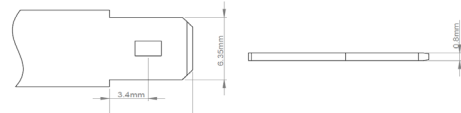
Mechanical Parameter	
Length (±2mm)	151 mm
Width (±2mm)	65 mm
Height (±2mm +2 mm T2)	92 mm
Weight	1200 g
Volumetric energy density	93,6 Wh/l
Gravimetric energy density	70,4 Wh/kg
Housing	ABS; V0 - UL94
Protection level	(not certified) IP56
Special features	designed for highest safety
Life span* >	5 Years

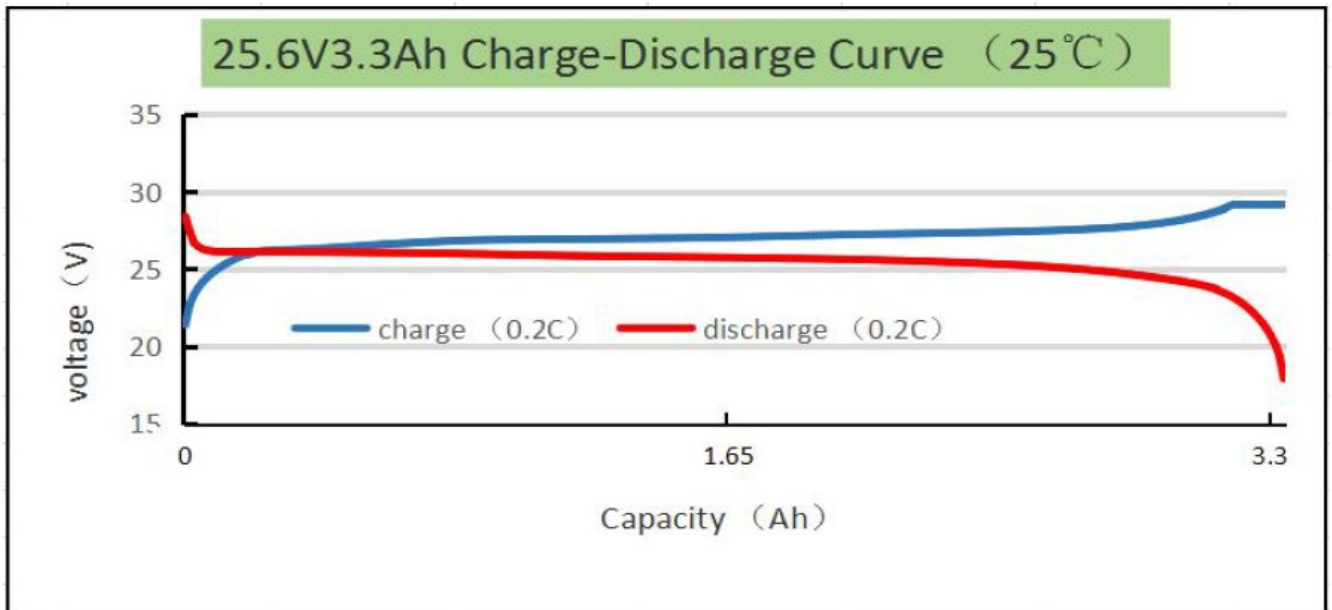
Charge Parameter	
Charging methode	CC-CV
Recommended charge current	1,65 A
Maximum charge current	3,3 A
End of charge voltage	28,4 V
Temperature range charge	0 - 45 °C
Temperature range storage	0 - 40 °C
Humidity range	5-85% %RH
Recuperation	/ A
Cycle life* at 80% DOD	4000

Discharge Parameter	
Constant discharge current	25 A
Peak discharge current	30 A
Duration of peak discharge	5 s
End of discharge voltage	20 V
Temperature range discharge	-20 - 60 °C
Discharge current @ < -20°C	0,66 A
Discharge current @ -15°C	1,65 A
Discharge current @ > 0°C	25 A
Capacity drop at low temp.	80% (-10°C/0,2C) 50% (-20°C/0,2C)

BMS Parameter		
Short circuit protection	100-600	μ S
Over current protection	75 \pm 10	A
Over current protection	\leq 500	mS
Deep discharge protection cell	2,3 \pm 0,1	V
Deep discharge protection	\leq 1500	mS
Over voltage protection cell	3,65 \pm 0,05	V
Over voltage protection	\leq 1500	ms
Over temp. protection >	65 \pm 5	$^{\circ}$ C
Balancing start voltage >	3,475 \pm 0,025	V
Board consumption (sleep)	100	μ A

Interconnector / Interfaces	
Charge	T2
Discharge	T2
Data	/
Communication	/
Communication protocol	/

T2




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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