

Features

Thumper Lithium LiFePO4 batteries are fully sealed and are designed to be mounted on any angle for easy application. Equipped with an internal battery management system (BMS), the Thumper Lithium offers safe charging and discharging with over temperature protection, under and over voltage cut off protection and also internal short circuit protection. The LiFePO4 range of batteries are less than half the weight of a traditional AGM battery, whilst still offering all of the benefits of a heavy duty deep cycle. These batteries are designed to hold the terminal voltage higher throughout each cycle, resulting in an increase depth of discharge and a longer overall run time with heavier draw appliances.

- Slim line design
- Proven quality and reliability
- Higher voltage maintained for longer run times with appliances
- Compatible with chargers with an AGM or lithium setting
- For best results: Use of a lithium charger is recommended
- 3 year warranty
- Increased cycles compared to traditional lead acid
- Half the weight of a traditional lead acid battery
- Parallel connection is non-limited
- Designed to be wired in series 12 V ~ 48 V
- This battery is **NOT** designed for starting purposes
- This battery is **NOT** designed for under bonnet application

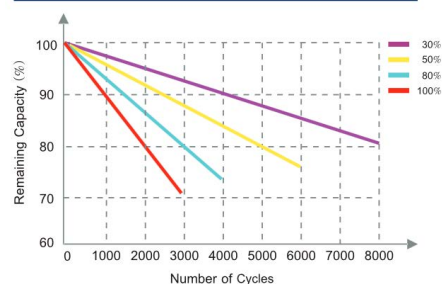
Applications

- Solar Power
 - Wind Power
 - Marine Auxiliary Power
 - Telecom Systems
 - UPS
 - Caravan
 - RV
 - Motorhome
 - Vehicle Auxiliary Power
- Terminal Type: 120 Amp Blue Anderson
Case IP Rating: IP50
Case Material: SSP

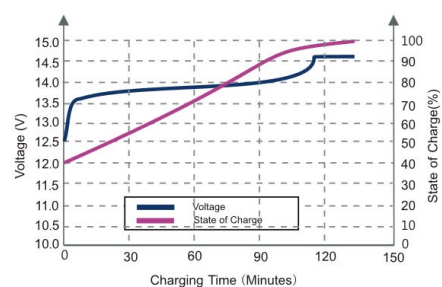
Technical Specifications

Model No:	TLSL-100
Nominal Voltage:	12.8V
Rated capacity:	100Ah
Cell Type / Chemistry:	LiFePO4
DIMENSIONS & WEIGHT	
Length:	600 mm
Width:	275 mm
Height (Total):	65 mm
Weight:	20.0Kg
OPERATING TEMPERATURE RANGE	
BMS High temp cut out / Reconnect:	80°C / 50°C
Discharge:	-20°C ~ 60°C
Charge:	-20°C ~ 45°C
Storage:	- 5°C ~ 35°C
CHARGING METHODS	
Recommended Charge Current:	10 ~ 50 Amps
Max Charge Current:	70 Amps
DISCHARGE	
Max discharge current (continuous):	100 Amps
BMS current cut off:	>150 Amps 10S
BMS Voltage cut off / Reconnect:	10.0V / 12.0V
Self Discharge Rate per month:	≤3%
SAFETY & SHIPPING SPECIFICATIONS	
Shipping Classification	UN3480, CLASS 9
Certifications	CB / CE UN38.3 UL1642 @ CELL
Warranty:	3 years from date of purchase

Different DOD Discharge Cycle Life Curve 1C 25°C



State of Charge Curve(0.5C, 25°C)



Different Temperature Discharge Curve(0.2C)

