Drypower

LITHIUM IRON PHOSPHATE LiFePO4 RANGE

RECHARGEABLE LITHIUM

12.8V | 25.2Ah | $LiFePO_4$ | 323Wh

12LFP25TB

Rechargeable Lithium Iron Phosphate Battery

- HIGH CYCLE LIFE
- BUILT IN CIRCUIT PROTECTION
- SUPERIOR CHARGE / DISCHARGE EFFICIENCY
- LOWER TOTAL COST OF OWNERSHIP
- LONG SERVICE LIFE

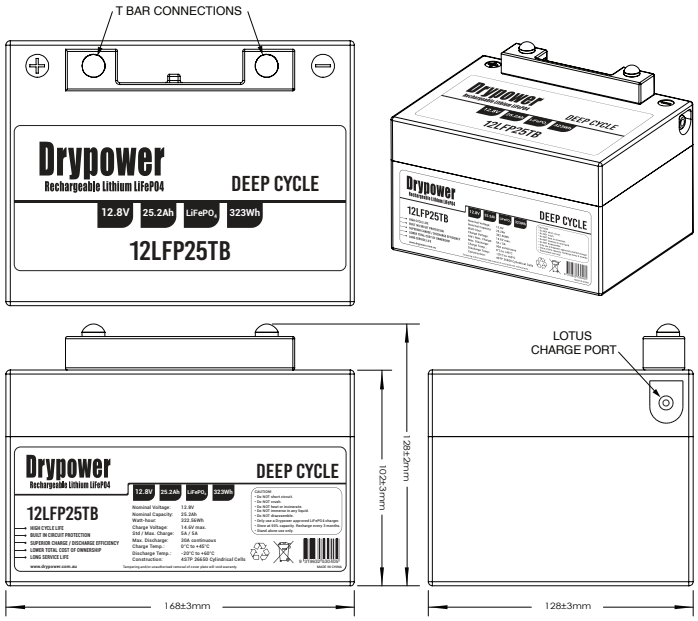
Carry case and lead included (T-Bar to Anderson plug)

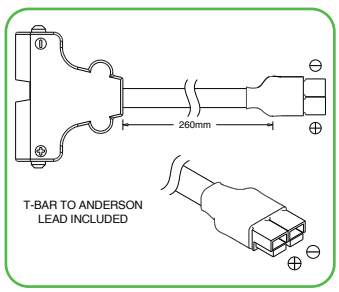
SPECIFICATIONS

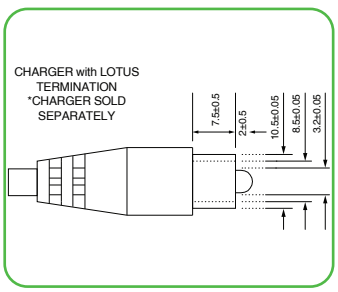
Nominal Voltage	12.8V
Nominal Capacity @5hr Rate	25.2Ah
Watt-hour	322.56Wh
Dimensions	
Length	168 ± 3mm
Width	128 ± 3mm
Height	102 ± 3mm
Height including T-Bar	128 ± 3mm
Weight	2.8kg
Internal Resistance (at 1KHz)	≤60mΩ
Charge @25°C	
Standard Charge Current	5A
Maximum Charge Current	5A
Max Charge Voltage	14.6V
Discharge @25°C	
Standard Discharge Current	5A
Max. Continuous Discharge	30A
Cut-off Voltage	10V
Assembly	26650 - 4S7P
Operating Temp	
Charge	0°C ~ +45°C
Discharge	–20°C ~ +60°C
Storage	–20°C ~ +45°C
Operating Humidity Range	5% – 85%
Case Material	ABS
Termination	T Bar to ADS + Lotus Seat
Series Connection	Stand alone use only
Parallel Connection	No
Barcode	9319632530405

Any orientation - Drypower Rechargeable Lithium batteries with cylindrical LiFePO4 cells inside can be used and mounted in any orientation, offering ultimate flexibility in a wide variety of applications.

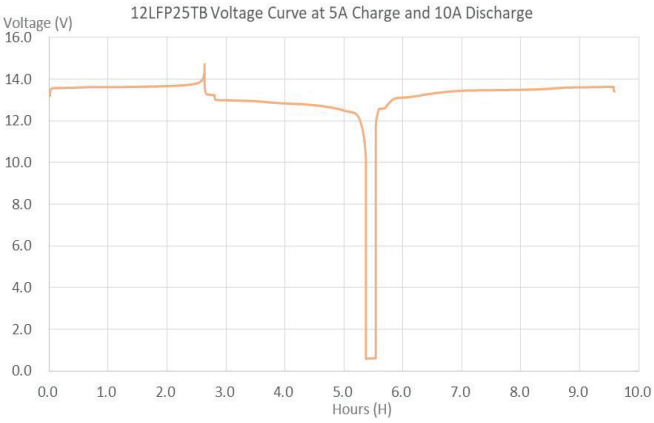
DIMENSIONS

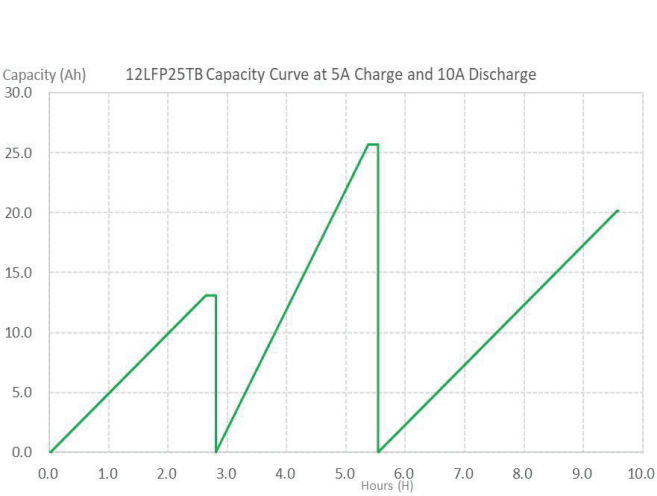


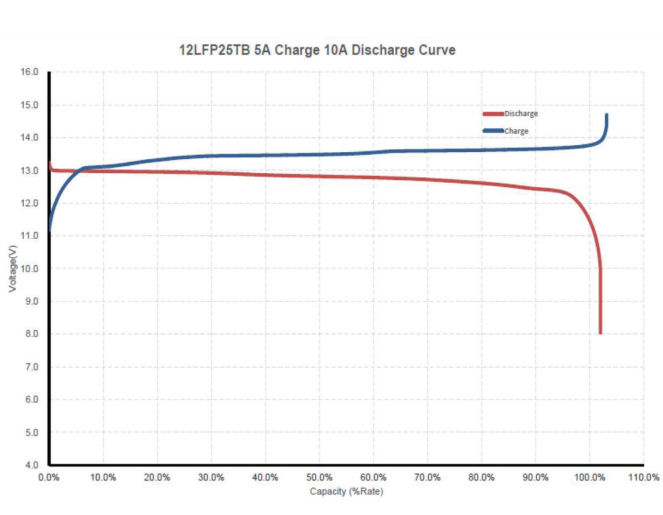




CHARACTERISTICS CHARTS







FEATURES & BENEFITS

High Cycle Life
>2000 cycles @100% DoD, 20~30°C for effectively lower total cost of ownership.

High Energy Density
Over 2X more energy density at around 1/3 the weight and half the volume of equivalent lead acid.

Superior Discharge Efficiency
With a consistently flat discharge curve, maintaining good, consistent power delivery for longer.

Built-in Circuit Protection
Battery Management Systems (BMS) are incorporated to maintain safety and prevent damage.

Better Shelf Life
12-18+ months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.

Quickly Recharge
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.

Wide Operating Temperature Tolerance
Suitable for use in a wider range of applications where ambient temperature is unusual: from −20°C up to +60°C.

BUILT IN PROTECTION

All Drypower Rechargeable Lithium batteries adhere to strict safety guidelines by incorporating Battery Management Systems (BMS) that include protection components such as:

- Integrated Circuit (IC)
- MOSFET
- Fuse
- Thermistor
- Protection Circuit Module (PCM)

The BMS in each Drypower battery helps to:

1. Maintain safety for users.
2. Prevent damage to equipment and property.
3. Eliminate concerns about use of the wrong type of charger.
4. Minimise the risk of overdischarge causing damage.
5. Provide short circuit and overcharge protection.

SUITABLE APPLICATIONS

Lithium Iron Phosphate can be used in any application that would normally use Lead Acid, GEL or AGM type batteries*. LiFePO4 in 4S = 12.8V and 8S = 25.6V is closest to Lead Acid equivalents of the lithium rechargeable types.

Suitable applications include caravan, marine, electric vehicles, golf carts & buggies, solar energy storage, remote monitoring, switching applications and more.

**Exceptions may apply so please consult with a Drypower technical expert for more information regarding your application.*

CAUTIONS

- Do NOT short circuit, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Only use a Drypower approved LiFePO4 charger.
- Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.
- Stand alone use only. No parallel connection allowed.

Tampering and/or unauthorised removal of cover plate will void warranty.