


12.8V

105Ah

LiFePO<sub>4</sub>

1344Wh

## SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity @5hr Rate	105Ah
Watt-hour	1344Wh
Dimensions	
Length	327 ± 3mm
Width	171 ± 3mm
Height	217 ± 3mm
Weight	14.3kg
Internal Resistance (at 1KHz)	25mΩ
Charge @25°C	
Standard Charge Current	20A (0.2C)
Maximum Charge Current	100A (1C)
Max Charge Voltage	14.6V
Cut-off Voltage	8.4V
Discharge @25°C	
Standard Discharge Current	20A (0.2C)
Max. Continuous Discharge	100A (1C)
Assembly	26650 - 4S30P
Operating Temp	
Charge	0°C - 45°C
Discharge	-20°C - 65°C
Storage	-20°C - 60°C
Operating Humidity Range	5% - 85%
Case Material	ABS
Termination	M8 Bolt
Series Connection	Up to 4S
Parallel Connection	No
Fuel Gauge	N/A
Communications Port	N/A
Barcode	 9 319632 530320

## BUILT IN PROTECTION

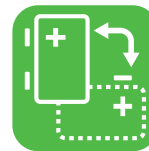
All Drypower Rechargeable Lithium batteries adhere to strict safety guidelines by incorporating Battery Management Systems (BMS) that include protection components such as:

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

The BMS in each Drypower battery helps to:

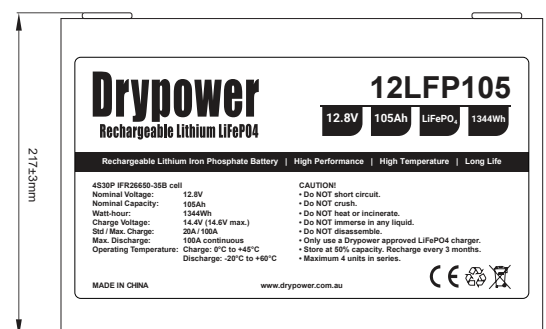
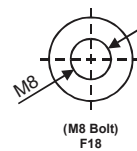
1. Maintain safety for users.
2. Prevent damage to equipment and property.
3. Eliminate concerns about use of the wrong type of charger.
4. Minimise the risk of overdischarge causing damage.
5. Provide short circuit and overcharge protection.

## RECHARGEABLE LITHIUM (LiFePO<sub>4</sub>) BATTERY

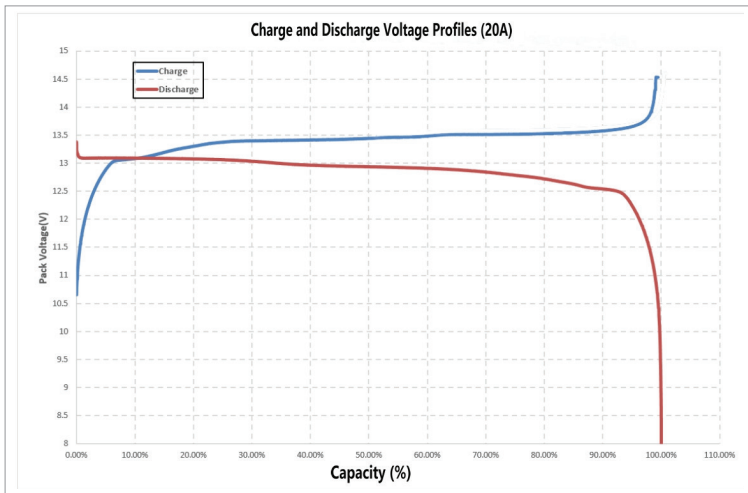
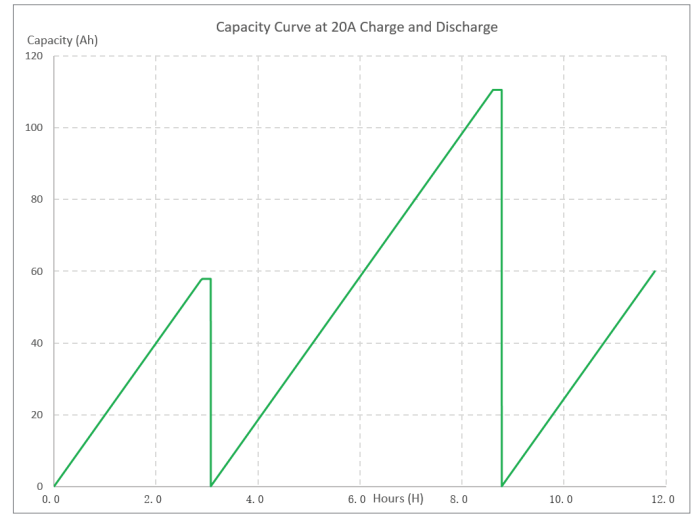
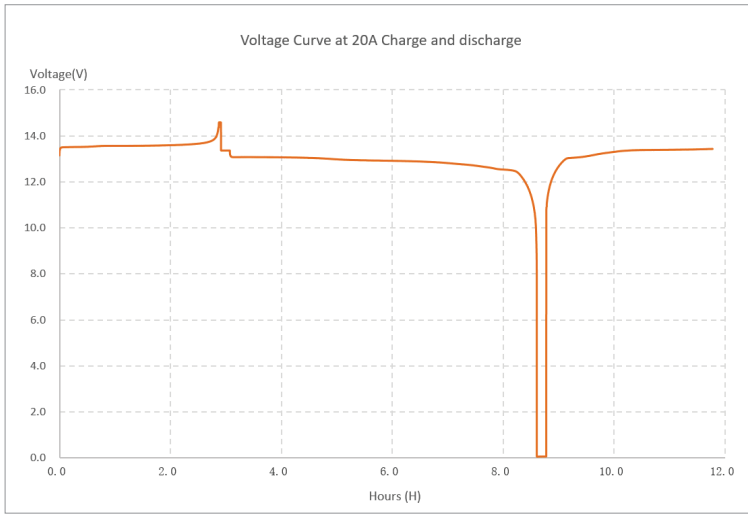


**Any orientation** - Unlike other lithium batteries constructed with prismatic cells, Drypower Rechargeable Lithium batteries can be mounted in any orientation due to the use of cylindrical LiFePO<sub>4</sub> cells inside.

## DIMENSIONS



### CHARGE & DISCHARGE CURVE



### FEATURES & BENEFITS



**High cycle life**  
>2000 cycles @80% DoD for effectively lower total cost of ownership.



**Lightweight**  
Drypower Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



**Built in circuit protection**  
Battery Management Systems (BMS) are incorporated to maintain safety and prevent damage.



**Better storage**  
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.



**Extreme heat tolerance**  
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



**Longer service life**  
Low maintenance batteries with stable chemistry. Easily monitor state of health (SoH) of smart models.

### 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, golf carts & buggies, solar 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.
- Maximum 4 units in series.

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

Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.