

# TY-D

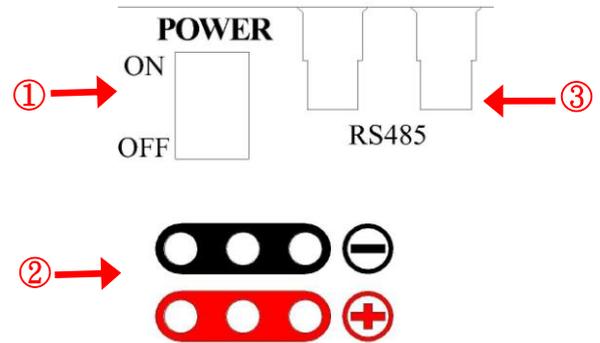
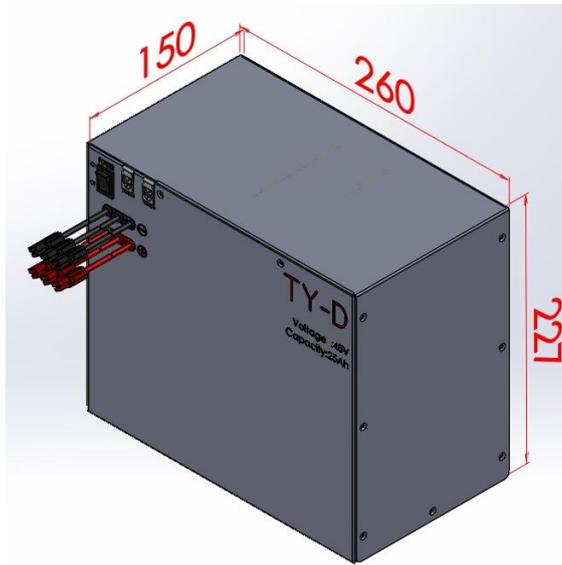
台湯動力股份有限公司

TY DYNAMIC CO., LTD.

磷酸鋰鐵電池

LiFePO<sub>4</sub> Battery

## TYD25-48S



1. Power Switch
2. Power output/input
3. RS485 (pin3:B ; pin4:A , 由左至右 , 共 6pin)

### 機械特性 Physical Characteristics

型號 Model	TYD25-48S
長度 Length	260mm
寬度 Width	150mm
高度 Height	227mm
重量 Weight	Approx. 12 kg
電槽材質 Housing Material	Stainless Steel

### 電氣特性 Electrical Characteristics

公稱電壓 Nominal Voltage	48 V
公稱容量 Nominal Capacity	25 Ah
內阻 AC IR(1kHz)	<100 mΩ
瓦時 Watt-Hours(0.5C,25°C)	1200 Wh
循環壽命 Cycle Life at DOD 100% (25 °C)	
1C Discharge/0.5C Charge(80% ↑)	1400 Cycles

### 操作狀態 Operating Conditions

充電狀態 Charge Conditions :	
標準充電 Standard Charge	CC/CV
標準充電電壓 Standard Charge Voltage	54 V
標準充電電流 Standard Charge Current	12.5 A
放電狀態 Discharge Conditions :	
最大持續放電電流 Max. Discharge Current(continuous)	50 A
最大瞬間放電電流 Max. Discharge Current(10sec)	75 A
放電截止電壓 Discharge cut-off Voltage	39V
操作溫度範圍 Operating Temperature Range :	
充電溫度 Charge Temperature	-10 °C / 45 °C
放電溫度 Discharge Temperature	-10 °C / 45 °C
儲存溫度 Storage Temperature	-10 °C / 45 °C

### 用途 Application:

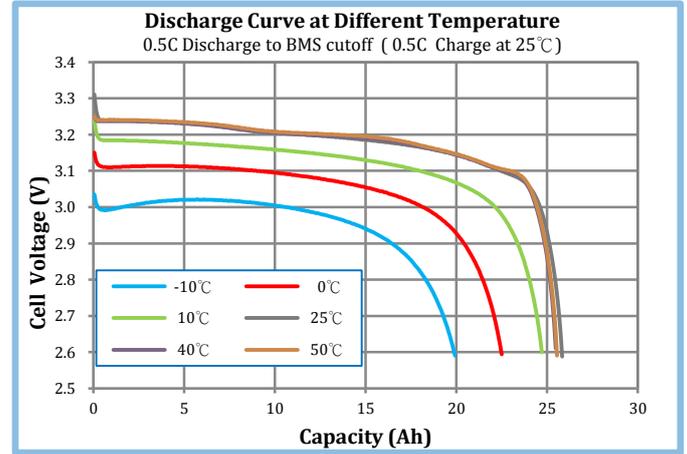
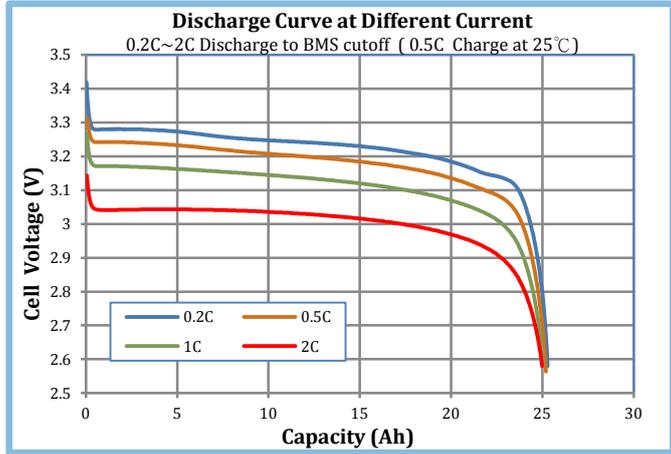
儲能系統 Energy Storage System ; 電信電池 Communication Battery 。

備註 Remark : 使用條件超出上述規格 , 請與我司聯絡 Please feel free to contact us if you have any specific requirements.

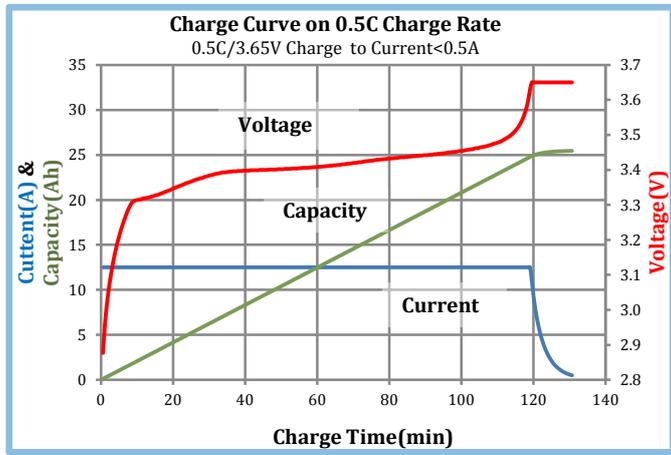
# TYD25-48S 溫度特性 Discharge Temperature Characteristics – Amp-Hours(%)

Temp.	-10 °C	0 °C	10 °C	25 °C	40 °C	50 °C
Current						
0.5C	77%	87%	96%	100%	99%	99%

## 1. 放電特性 Rate Discharge Curve according to Ambient Temperature



## 2. 充電特性 Rate Charge Curve



## 3. 循環壽命 Cycle Life

