

# TLF-4842

## 2.01kWh

### Battery PACK



- ✓ Longer Usage Life
- ✓ High Power Capacity
- ✓ High Energy Density
- ✓ Environment Friendly
- ✓ Light Weight

## Pack Specification

**Model: TLF-4842**

Item		Specification	Remarks
Electrical			
Module Configuration		15S 7P	-
Installed Energy		2.01 KWh	-
Usable Energy		1.81 KWh	@ 90%
Nominal Voltage		48 VDC	-
Operating Voltage Range		41.25 ~ 54.75 VDC	-
Rapid Charge Current		21 A	@ 0.5C
Rated Charge Current		8 A	@ 0.2C
Pulse Discharge Current		80 A	@2S
Rated Discharge Power		2.01 kW	-
Rated Discharge Current		42A	-
BMS Features		Deep discharge & Over charge, Cell Balancing & Temperature compensation, Short circuit	-
Communication (If required)		CAN, RS485, UART, BLUETOOTH	-
Mechanical			
Dimension		300 (L) x 265 (B) x 180 (H) mm	±5 mm
Housing Material		MS Casing	
Weight		22 kg	±5%
IP Grade		IP63	-
Cell		32650-3.2V-6000mAh	-
Charge/Discharge Terminal		SB50	-
Environment			
Operating Temperature	Charging	0 ~ 45°C	-
	Discharging	20 ~ 55°C	
Storage Humidity		<60±25% RH	Non-condensing
Storage Temperature	1 Year	-20 ~ 25°C	SOC 50±5%
	6 Months	25 ~ 35°C	
	3 Months	35 ~ 45°C	
	<1 Week	45 ~ 60°C	
Expected Cycle & Calendar Life**			
Cycle Life @ DoD 90%		≥2,000 cycles	@ 25±3°C, 0.2C/1C

**\*\*Depending on the load profile, the warranty condition may differ\*\***

**We reserve the right to change the content of specification without prior notice.**