

LiFePO4 Battery (TB)



Celvonix Energy Storage Solution

- ⚡ High Energy Density
- ✓ Short circuit protection
- Ⓢ Long Life Cycle

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MODEL	CeLFP 1280-TB	CeLFP 12100-TB	CeLFP 12150-TB	CeLFP 12200-TB	CeLFP 25100-TB	CeLFP 25200-TB
MODULE VOLTAGE	12.8V	12.8V	12.8V	12.8V	25.6V	25.6V
MODULE CAPACITY	80AH	100AH	150AH	200AH	100AH	200AH
MODULE CHARGING VOLTAGE	14.6V	14.6V	14.6V	14.6V	29.2V	29.2V
MODULE DISCHARGING VOLTAGE	10V	10V	10V	10V	20V	20V
MAX. CHARGE CURRENT	40V	50V	75V	100A	50A	100A
MAX. DISCHARGING CURRENT (IC)	80A	100A	150A	200	100A	200A
PEAK CURRENT (3 SEC-1.2C)	160A	200A	.300A	400A	200A	400A
RATED OUTPUT	1024 Wh	1280 Wh	1920 Wh	2560 Wh	2560 Wh	2560 Wh
OPERATIONG TEMPERATURE	(-) 5 TO 65°C					
STORAGE TEMPERATURE	25°C					
BATTERY CYCLE (80% DOD)	<6000 CYCLES					
PROTECTION CLASS	IP54					
DIMENSION (mm)	L254*H208*W162	L330*H175*W215	L317*H220*W177.5	L495*H228*W241	L495*H215*W241	L495*H215*W266
WEIGHT (Approx.)	10.5KG	10.6KG	16KG	20KG	20.8KG	38KG
Battery Protection	Short Circuit - Short Circuit The battery is to be short - circuited by connecting the positive and negative terminals of the battery with an external load of less than 100m. The battery shall not rupture or catch fire. The temperatue <150°C Over charge - Over charge The battery charged completely will be charged continuously for 8hrs with the external power supply of hte limit voltage of 3.8V and the current of 1C5A. The battery shall not rupture or catch fire. The temperatue <150°C Over Discharge - Over discharge After complete charge, the battery will be discharged to end voltage. Then connect with external load of 30 for 24 hrs. The battery shall not ruputre, smoke, catch fire					
Battery Usage	- Do not connect more than 4 battery in the series - Do not short ciruit battery terminal - Do not open, disassemble, squeeze or strike the battery - Do not use unmatched charger or inverter for the battery - Keep away the battery from fire and water - Make sure the voltage different is within 0.5 volt when parallel - Store the battery at room temp. in dry condition					