

Residential Series

INVERGY
UPGRADING POWER FOR BETTER FUTURE

LiFePO4 Battery (TB)



High Energy Density



Short circuit protection



Bluetooth connectivity



Long Life Cycle



Toll Free No. 1800 309 7880

©2021 Invergy Power Supply Co., Ltd. All rights reserved. Subject without notice. Version 1.2.4


www.invergypowersupply.com

MODEL	INV LFP 12080-TB	INV LFP 12100-TB	INV LFP 12150-TB	INV LFP 12200-TB	INV LFP 24100-TB	INV LFP 24200-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	<p>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 100mΩ . The battery shall not rupture or catch fire. The temperature<150°C .</p> <p>Over charge- Over charge The battery charged completely will be charged continuously for 8hrs with the external power supply of the limit voltage of 3.8V and the current of 1C5A. The battery shall not rupture or catch fire. The temperature<150°C .</p> <p>Over Discharge- Over discharge After complete charge, the battery will be discharged to end voltage. Then connect with external load of 30Ω for 24hrs. The battery shall not rupture, smoke, catch fire.</p>					
Battery Usage	<p>-Do not connect more than 4 battery in the series</p> <p>- Do not short circuit battery terminal</p> <p>- Do not open, disassemble, squeeze or strike the battery</p> <p>- Do not use unmatched charger or inverter for the battery</p> <p>- Keep away the battery from fire and water</p> <p>- Make sure the voltage different is within 0.5 volt when parallel</p> <p>- Store the battery at room temp. in dry condition</p>					