LiFePO4 Battery

LV 48070 PLUS

HIGH POWER DENSITY (3.58KWH IN COMPACT SIZE)

LONG LIFE WITH MORE THAN 6000 CYCLES

EASY INSTALLATION

FLEXIBLE MODULAR SYSTEM

WIDE TEMPERATURE TOLERANCE (-10~50℃)

HIGH EFFICIENCY WITH 98% CHARGE /DISCHARGE EFFICIENCY

Energy Storage System

LV 48070 Plus

3.58KWh
LiFePO4 Lithium-ion Battery

The LV 48070 Plus is a high-performance, expandable battery storage modular. It is designed with flexible combination and suitable for various energy storage applications. Additional batteries can be installed in parallel. Easy installation with 'plug and play' solution saves time and cost.

LV48070 Plus

Nominal Characteristics	
Nominal Voltage [V]	51.2
Nominal Capacity [kWh]	3.58
Usable Capacity [kWh]	3.2
Mechanical Specifications	
Dimension [mm]	475 × 426 × 132
Weight [KG]	35
Cooling method	Nature Cooling
IP rating of enclosure	IP20
Electrical Specification	
Discharge Voltage [V]	43.2 ~ 56.0
Charge Voltage [V]	55.2 ~ 57.6
Recommend Charge/Discharge Current [A]	35
Max.Iutput Current [A]	60
Max.Output Current [A]	70
Peak Output Current [A]	100 @5S
Depth of Discharge	90%
Communication Specifataction	
Communication	RS485, CAN
General Data	
Battery String Configuration	1 ~ 8 units in parallel
Working Temperature	0~50℃ Charge-10~50℃ Discharge
Storage Temperature	-20~40℃ (Recommended: 0~35℃)
Power self-consumption when running	≤ 2W
Power self-consumption when standby	1W@ ≤ 48h; 0W@ > 48h
Humidity	0 ~ 85%RH
Certification	
Reference to standards	CE, IEC62619, UL1642, IEC61000, UN38.3, ROHS
Protection	
Overload protection	integrated
Short-circuit protection	integrated