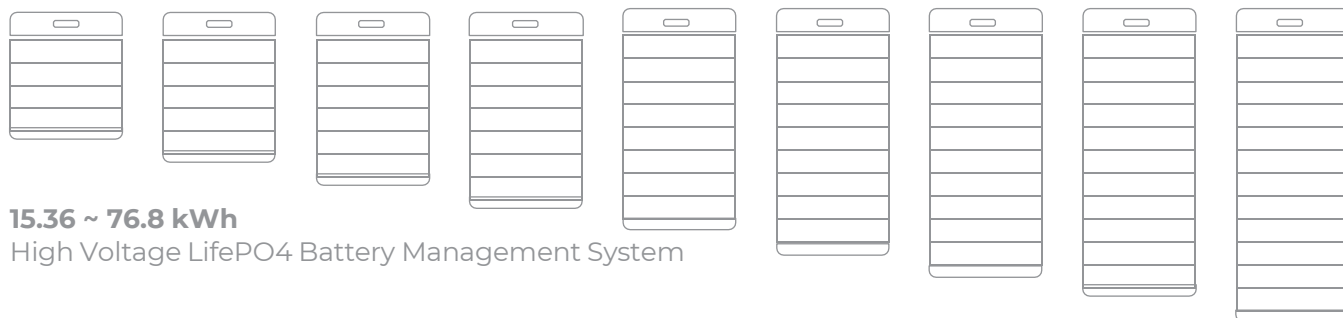




HIGH VOLTAGE LiFePO4 BATTERY MANAGEMENT SYSTEM





15.36 ~ 76.8 kWh

High Voltage LifePO₄ Battery Management System

SPECIFICATION

Model	51Z-INGHV100												
Battery Type	LiFePO ₄												
Module Voltage/Capacity	51.2V/100AH												
Number of modules	3	4	5	6	7	8	9	10	11	12	13	14	15
System Nominal Voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4	665.6	716.8	768
System Operating Voltage (V)	124.8 ~ 175.2	166.4 ~ 233.6	208 ~ 292	249.6 ~ 350.4	291.2 ~ 408.8	332.8 ~ 467.2	374.4 ~ 525.6	416 ~ 584	457.6 ~ 642.4	499.2 ~ 700.8	540.8 ~ 759.2	582.4 ~ 817.6	624 ~ 876
System Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44	66.56	71.68	76.8
Standard charge current	50A												
Max discharge current	100A												
Approx Net Weight (Kgs)	48 Kgs of each battery Module 22 Kgs of each Control Panel												
Working Temperature	Charge: 0~55 °C / Discharge:-20~55 °C												
Communication port	CAN / RS485												
Single module Dimension	580*490*177 mm												
Installation method	Stacked												
IP Protection Level	IP20												
Cycle Life	6000 (25±2 °C, 0.5C/0.5°C)												
Warranty	5 years												

SPECIAL FEATURE:

A condensed aerosol fire extinguishing device installed in each battery module which is a fire suppression system that generates a microscopic solid particles (typically potassium-based) through a chemical reaction within the device. When activated, these particles are discharged into a protected enclosure (like a battery cabinet), where they suspend in the air for an extended period to suppress fires.