ACEPOWER

Residential

Energy Storage System

48V 2.4KWh

48V 4.8KWh

ZE20291

ZE20292

Advanced Features

+ Up to 10 years service life and more than 6000 cycles;
+ Compact modular design gives the end customers the choice of capacity;
+ Deliver up to 5KW with single module;
+ Compatible with most of the available Hybrid inverters;
+ Simple buckle fixing minimize the installation time and cost;
+ Product certification CE, IEC 62619, UL1973, UN 38.3, RoHS;
+ Multiple safety fault protection settings to fit transportation mode, sleep mode and permanent failure mode;
+ Intellgent battery management system inside;

Product Introduction

The ACE residential energy storage system (RESS) Power-on series battery packs can work on and off-grid and can be used to optimize solar system performance, absorb excessive PV electricity and supply power for residence whenever needed. This product can be wall mounted and floor mounted and allows for parallel connection.

Application Scenarios

+ Residential application
+ Small commercial or industrial areas
+ Telecom base stations
+ Micro off-grid systems

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48V Li-ion Battery

Specifications

Model	ZE20291	ZE20292
Rated Voltage [V]	48V	48V
Rated Capacity [Ah]	50AH	100Ah
Total Energy [Wh]	2.4KWH	4.8KWH
Inner Resistance [mΩ]	≤20mΩ	≤20mΩ
Charge Voltage [V]	52.5V	52.5V
Max. Charge Current [A]	50A	100A
Recommend Charge Current	10~15A	20~30A
Continuous Discharge current [A]	75A	150A
Peak Discharge current [A]	100A	200A
Dimensions [L*W*H, mm]	600*438*86.2	600*438*129
Weight [kg]	29.5	59
Cycle	>4500cycles	
IP Grade	20	
Charge Operating Temperature [°C]	0℃~50℃	
Discharge Operating Temperature [°C]	0℃~50℃	
Relative Humidity	20%RH-80%RH	
Communication Port	RS485, RS232, CAN	
Certification	CE, IEC62619, UL1973, UN38.3, RoHS	

Battery pack in parallel install process to system diagram for battery pack in parallel install process to system as below;