Pytes

R-BOX-A

Introduction

The PYTES R-BOX-Ais a state-of-the-art home energy storage system solution.It has a total usable energy capacity of 10kWh.Product features include quick and easy installationa compact and elegant home style design and great extensibility.The PYTES R-BOX-Acan provide smart configurable backup power during grid outages and power smart homes with solar energy, day and night.

Safe
LFP Battery with Reliable &Accurate BMS

Compact
Modular Design
Easy installation, Space saving

Expandable
Max 27 Cabinets Parallel Up to 276.48kWh

Intelligent
Real-Time Resident Energy Management System

Durable
≥6000cycles @90%DODret@80%

Muti-Compatible
Compatible with 18 MainstreamInverters

Technical Specifications

Cabinet	
Dimensions(L*W*H)	560*130*1350 mm(H*1400 mm with holder)
Weight	38kg
Mount	Wall /Floor
Enclosure Material	Cool-rolled steel
Cooling	Natural convection
Battery	
Chemistry	LFP
Nominal Voltage	51.2V
Voltage Range	47.5V-57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Unit Dimension	L440mm*W620mm*H117mm(2.6U)
Unit Weight	51kg
Standard Charge Current	50A
Maximum Charge Current	50A
Standard Discharge	50A
Maximum Discharge Rate	50A
Round-Trip Efficiency	≥95%
Communication Protocol	RS232,RS485,CAN
Cycle Life	≥6000cycles
Calendar Life	≥10years
Connect style	Parallel
Operating Temperature	-10°C~50°C
Storage Temperature	Within 1month:-20~55°C,1-3months:0~35°C,3-12months:20~25°C

Mechanical Design

Mechanical Drawing