



Introduction

The R-BOX is 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 installation, a compact and elegant home style design and great extensibility. The R-BOX can provide smart configurable backup power during grid outages and power smart homes with solar energy, day and night.

Technical Specifications

| Model | R-BOX |
|-----------------------------------|---------------------------------------|
| Total capacity | 10.24kWh |
| Usable capacity | 9.22kWh |
| Chemistry | Lithium iron phosphate (LFP) |
| Nominal voltage | 51.2V |
| Max. charge/ discharge current | 100A |
| Communication | CAN, RS485 |
| Certificate | UL1973, CE, UN38.3 |
| Operating Temperature | Charge: 32~113°F, Discharge: 14~122°F |
| Altitude | < 6562ft (2000m) |

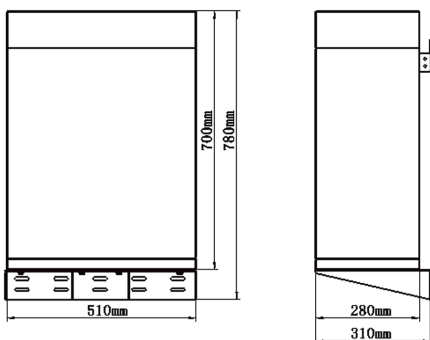
| Mechanical Design | Parameter |
|--------------------|--|
| Dimensions (L*W*H) | 11.0 * 20.1 * 27.5 inch (30.8 inch H w/ holder) 280 * 510 * 700 mm (780 mm H w/ holder) |
| Weight | 264lbs |
| Mount | Wall / Floor mount |
| Enclosure rating | IP20 |
| Enclosure material | Cool-rolled steel |
| Cooling | Natural convection |
| Warranty | 6000 cycles or 10 years |

Designed for two E-BOX-48100R battery models

3D image



Mechanical Drawing



Battery Expansion

PYTES Home Energy Storage System can connect up to 4 pcs R-BOX directly. Please refer to a HUB solution for bigger expansion demands.

