



## 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)

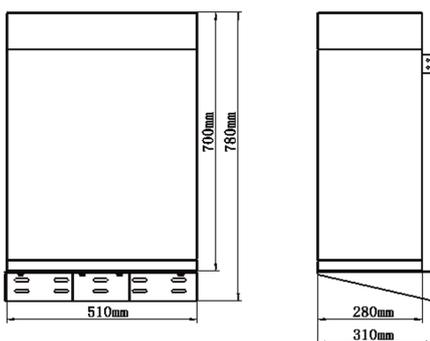
Mechanical Design	Parameter
Dimensions (L*W*H)	11.0 * 20.1 * 27.5 inch (30.8 inch H w/ holder) 280 * 510 * 700 mm (780 mm H w/ holder)
Weight	264lbs
Mount	Wall / Floor mount
Enclosure rating	IP20
Enclosure material	Cool-rolled steel
Cooling	Natural convection
Warranty	6000 cycles or 10 years

## Designed for two E-BOX-48100R battery models

### 3D image



### Mechanical Drawing



### Battery Expansion

Pytes Home Energy Storage System can connect R-BOX up to 3 pcs without additional kit.

