

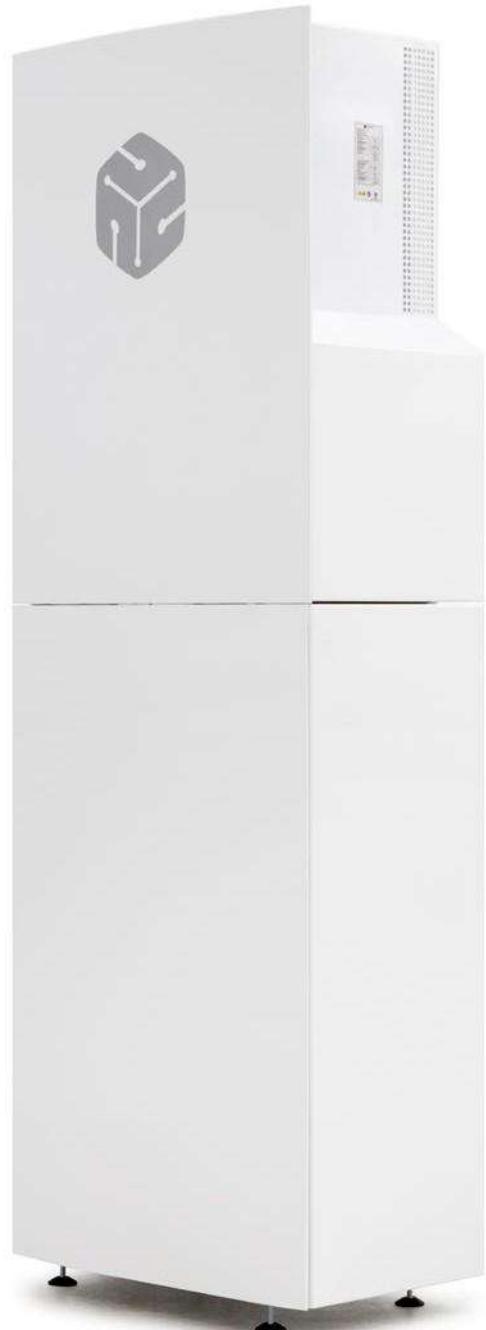
## DATA SHEET



**TURBO ENERGY**  
SOLAR INNOVATION

# SUNBOX

## Split Phase Series 10.0



### ALL-IN-ONE

Compact home solar power battery



### MODULAR DESIGN

Flexible and scalable from 5.1 to 20.48 kWh



### PLUG & PLAY

Easy installation and quick commissioning



### 24/7 BACKUP protection and PEAK SHAVING



### EASE-TO-USE AI-DRIVEN SOFTWARE

Optimized stored energy



**10\***  
YEARS

TURBO ENERGY  
WARRANTY

# TECHNICAL DATA

## PV Input Data

Max. DC power	15,000W
PV voltage range	120-500V
MPPT working range	120-500V
Startup voltage	120V
N° MPPTs	4
Maximum input current	14A*4
Maximum Short-Circuit current	22A
Strings per MPPT	1/1

## AC Output (ON-Grid/OFF-Grid)

Rated power	10,000W
Maximum power	11,000W
Peak Power (Off-grid)	15,000W
Maximum Backup power	10,000W
Output Voltage	120/240V
Grid voltage	Split phase
Rated output current	41.7A
Grid Frequency	50/60Hz
Harmonic distortion	THD<3% AC Output ;<2% EPS

## Battery Specifications

Capacity	5.1kWh / 20.48 kWh
Usable capacity	4.60kWh / 18.6 kWh
Max continuous discharge rate	10kW
DoD	90%
Cycles at 90% DoD	>6,000
Cells	Metal Can
Type of technology	LiFePO4
Battery voltage range	40-60V
Max. Charge/discharge current	190A/210A

## DC Protections

8x Fuse holder and fuse 1000V/20A	Integrated
4x Surge protection 1500V	Integrated

## AC Protections

4x Circuit Breaker 3P, 50A	Integrated
Manual Changeover 4P, 63A	Integrated

## General Specifications

Communication with the portal	Wi-Fi
User interface	APP
Weight	≈375 lbs (without batteries)
Dimensions (width*height*depth)	2.21 x 6.36 x 1.36 ft

## Certifications

Inverter	UL 1741, UL 1699, UL 1998, FCC
Battery	UL 9540A, UL1973
SunBox	UL 9540, UL 9540A, UL 5500, FCC



**CAUTION: READ THE INSTRUCTION AND INSTALLATION MANUAL BEFORE USING THE PRODUCT**

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The specifications of the data sheet can be changed without prior notice.



# DIMENSIONS

