

TECHNICAL DATA

SUNBOX
5.0 EV



SOLAR PLUG & PLAY



DOMESTIC INSTALLATION



LI-ION BATTERIES



BACK-UP SYSTEM
/ PEAK SHAVING



IMPROVES CUSTOMER
SATISFACTION



ALL IN ONE



REDUCED INSTALLATION
TIMES

TECHNICAL DATA

Model	SunBox Series 5.0 EV
Photovoltaic panels data	
Max. photovoltaic field power	6500 Wp
PV voltage range	100-500 V
MPPT working range	125-425V
Starting voltage	150V
Independent MPPT	2
Maximum current per MPPT	13A
Category DC surges	II
AC Output (Self-consumption with grid)	
Maximum power	11500W
Rated output voltage	230V
Rated output frequency	50/60Hz
AC Output (Self-consumption with grid/Off-grid)	
Nominal power	5000W
Maximum power	5500W
Rated output voltage	230V
Rated output frequency	50/60Hz
Batteries data	
Capacity	5,1kWh / 10,2kWh
Usable capacity	4,60kWh / 9,20kWh
DoD	90%
Cycles at 90% DoD	>6000
Cells	Metal Can
Type of technology	LiFePO4
Nominal battery voltage	51,2V
Max. Charge/discharge current	50A/100A
BMS communication	CAN
EV Charger	
Power charge	3.6kW
Number of modes	4
Remotely control	Yes
Smart charge	Yes



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

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DC protections (per MPPT)

4 x Fuse holder and fuse 1000Vdc/15A Integrated

AC protections

Magnetothermic Grid Integrated

Magnetothermic Load Integrated

General data

Communication with the Portal Wi-Fi

IP rating IP20

User interface APP

Weight (Kg) 95Kg

Switch OnGrid-OffGrid Automátic

Dimensions (width*height*depth) 600*1400*600mm

Certificates and Regulations

Network connection regulations RD1699

Safety regulations IEC/EN62109-1 & -2

EMC
EN61000-6-1
EN61000-6-2
EN61000-6-3
EN61000-6-4
EN61000-4-16
EN61000-4-18
EN61000-4-29

Hybrid system function
in parallel with the network



**Monitoring
APP & WEB**



Lithium Series 48V 5.1kWh battery



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