

TECHNICAL DATA
SUNBOX 
5.0



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
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	LiFePO ⁴
Nominal battery voltage	51,2V
Max. Charge/discharge current	50A/100A
BMS communication	CAN
DC protections (per MPPT)	
4 x Fuse holder and fuse 1000Vdc/15A	Integrated
AC protections	
Magnetothermic Grid	Integrated
Magnetothermic Load	Integrated



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

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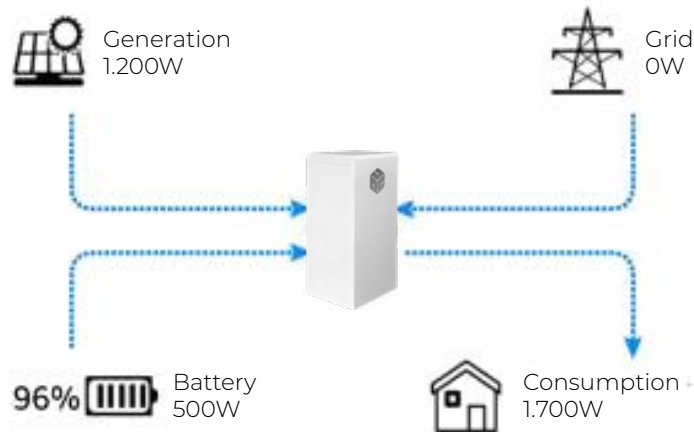


General data

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**



Battery TE5100



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