

TECHNICAL DATA
SUNBOX 
10.0



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	Three Phase SunBox Series 10.0
Photovoltaic panels data	
Max. photovoltaic field power	13000 Wp
PV voltage range	160-800 V
MPPT working range	200-650V
Starting voltage	160V
Independent MPPT	2
Maximum current per MPPT	26A + 13A
Category DC surges	II
AC Output (Self-consumption with grid)	
Maximum current per phase	32A
Rated output voltage	230V / 400V (three phase)
Rated output frequency	50/60Hz
AC Output (Self-consumption with grid/Off-grid)	
Nominal power	10000W
Maximum power	11000W (21.7A per phase)
Rated output voltage	230V / 400V (three phase)
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
DC protections (per MPPT)	
6 x Fuse holder and fuse 1000Vdc/15A	Integrated
AC protections	
Magnetothermic Grid	Integrated
Magnetothermic Load	Integrated
Magnetothermic Gen Port	Integrated



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

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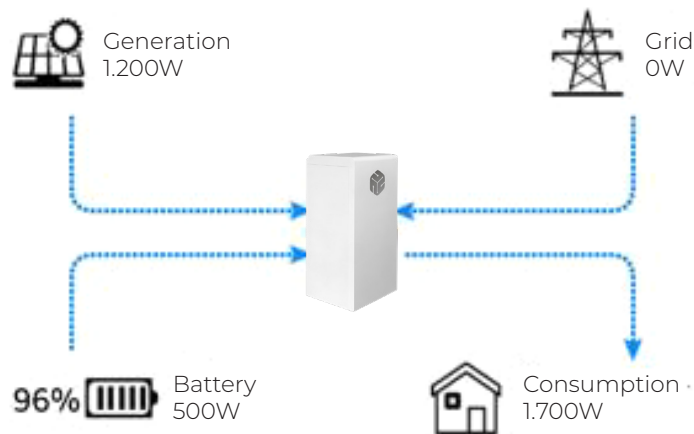


General data

Communication with the Portal	Wi-Fi
IP rating	IP20
User interface	APP
Weight (Kg)	110Kg
Switch OnGrid-OffGrid	Automatic
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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