

**TECHNICAL DATA**  
**SUNBOX** <sup>®</sup>  
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

|  |                         |
|--|-------------------------|
| <b>Model</b>   | SunBox Series 5.0       |
| <b>Photovoltaic panels data</b>                        |                         |
| 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                      |
| <b>AC Output (Self-consumption with grid)</b>          |                         |
| Maximum power  | 11500W                  |
| Rated output voltage                                   | 230V                    |
| Rated output frequency                                 | 50/60Hz                 |
| <b>AC Output (Self-consumption with grid/Off-grid)</b> |                         |
| Nominal power  | 5000W                   |
| Maximum power  | 5500W                   |
| Rated output voltage                                   | 230V                    |
| Rated output frequency                                 | 50/60Hz                 |
| <b>Batteries data</b>                                  |                         |
| Capacity   | From 5,1kWh to 10,3kWh  |
| Usable capacity  | From 4,60kWh to 9,20kWh |
| DoD  | 90%                     |
| Cycles at 90% DoD                                      | >6000                   |
| Cells  | Metal Can               |
| Type of technology                                     | LiFePO <sup>4</sup>     |
| Nominal battery voltage                                | 51,2V                   |
| Max. Charge/discharge current                          | 50A/100A                |
| BMS communication                                      | CAN                     |
| <b>DC protections (per MPPT)</b>                       |                         |
| 4 x Fuse holder and fuse 1000Vdc/15A                   | Integrated              |
| <b>AC protections</b>                                  |                         |
| Magnetothermic Grid                                    | Integrated              |
| Magnetothermic Load                                    | Integrated              |



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

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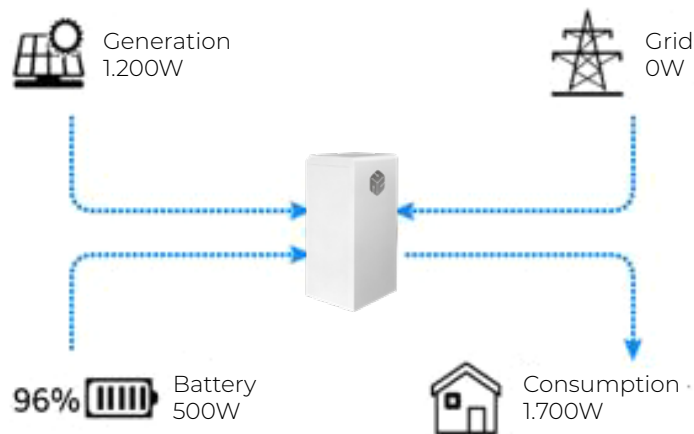


**General data**

|                                     |                     |
|-------------------------------------|---------------------|
| 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 × 600 mm |

**Certificates and Regulations**

|                                |  |
|--------------------------------|--|
| Network connection regulations | RD1699   |
| Safety regulations             | IEC/EN62109-1 & -2   |
| EMC                            | EN61000-3-11<br>EN61000-3-12<br>EN61000-6-1<br>EN61000-6-3 |



Hybrid system function  
in parallel with the network



**Monitoring  
APP & WEB**



Battery TE5100

V221019



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