

MOBIL HYBRID BOX®



Portable energy storage solution. With a battery capacity of 5.12 kWh and a nominal output power of 5kVA, this mobile battery case meets the need of power supply in remote sites and even residential applications



Products characteristics

Length × Width × Height (m)	0,59 x 0,15 x 0,35
Weight (kgs)	49
Number of outlet	2
Watts/outlet	2500
Nominal tension	5,12kWh
Life cycles	6000
Ingress protection	IP54 with the optional protective cover
Technology	Lithium Iron Phosphate (LiFePo4)

PV Input / Photovoltaic Inverter

Max. power of the photovoltaic generator to be connected	5500 Wp
MPPT operating voltage range	120 ~ 430V DC
Max. input voltage	450V
Max. charge/discharge current	20A
Number of MPPT strings/tracker	1

AC output (Inverter)

Nominal output power	2 x 2500 VA
Voltage	230/240V AC
Frequency range	50/60 Hz ± 0.1 %
Waveform	Sinusoidal
Power factor	1

AC input (grid)

Nominal voltage	5 500W
Voltage range	90 ~ 280V
Frequency range	40 ~ 70Hz
AC outlet	16A, 3,5kWh max
Max. input current	22,7A

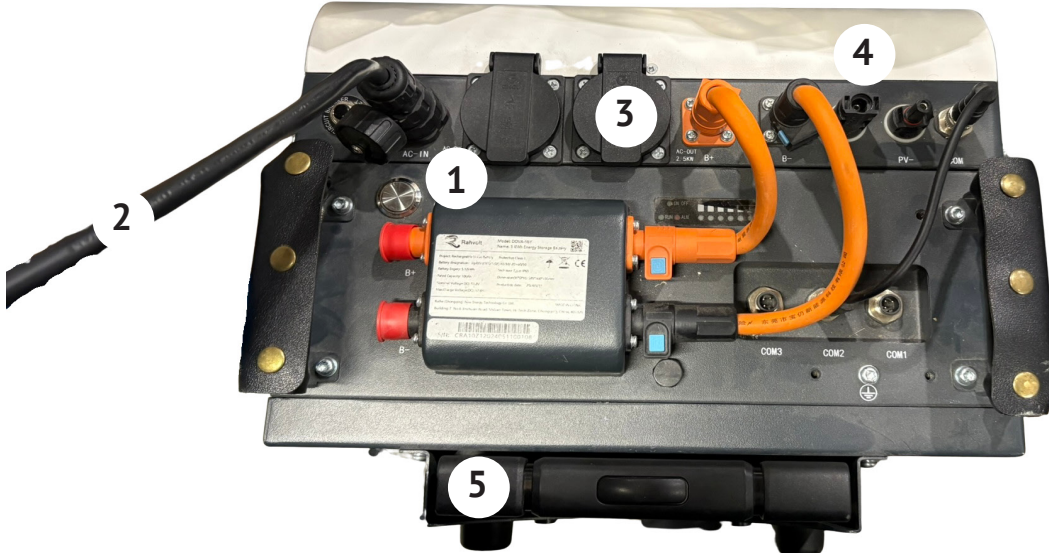
The strong points of the Mobil Hybrid Box®

- Easy to transport and store (compact and lightweight)
- Battery rechargeable from the grid or via photovoltaic modules
- Intelligent battery management system (BMS)
- Compatible with various external power sources
- Replaces a fossil generator
- Two outlets of 2500W
- Versatile charging: by solar, generator, or grid power
- Can be used as home energy storage

MOBIL HYBRID BOX®



Top view of the connection panel



1 ON/OFF button

2 AC charging plug and cable (grid or generator)

3 2.5 kW output sockets

4 PV inputs for battery charging

5 Retractable handle for wheeled transport

Mobile Hybrid Box® recharged by a Solar Wing® solar field



Options

Electrical protection box for solar field

Protective cover IP54

Connectors on line with specific countries standards