

HYBRID INVERTER  
ULTRA HYBRID 3600

INDEKS:3SSHZ50048  
EAN: 5904100452149



Features

- Combines the function of inverter on-grid and off-grid
- Parameters configuration thanks to LCD display settings
- 2 MPPT inputs: 120-500V
- Cooperation with Ultra-5 energy storage
- Protections: short circuit, overload, temperature
- PC controll software via USB or included external Wi-Fi remote module (preview and control of parameters)
- Compatible with the system BMS

How does hybrid inverter combines the function of on-grid/off-grid?

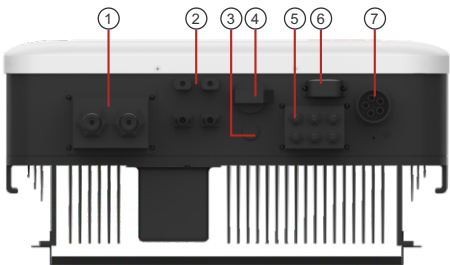
**On-grid:**  
In on-grid when the photovoltaic installation is connected to the user's electrical installation the hybrid inverter works like a typical on-grid inverter. It converts direct current (DC) generated by solar panels into alternating current (AC). Thanks to that we can power electrical devices in the house. Surplus energy is sent via the inverter to the power grid.

**Off-grid:**  
In off-grid the hybrid inverter operates independently of the user's electrical installation. The energy obtained from solar panels is stored in batteries and then transferred to the connected devices we want to power.

Solar system connection



Back panel description



1. Battery input terminals and cover
2. PV input terminals
3. Breather valve
4. PV input switch
5. BTS terminals, BMS terminals, load monitor terminals, dry contact terminals, CAN communication terminals, USB terminal and cover
6. Wi-Fi commodule
7. AC output terminals and cover

Specification

Model	ULTRA HYBRID 3600	
Max power	5400VA	
Current power	3600W	
PV Input (DC)	Nominal DC operating voltage	360V
	Maximum DC voltage	500V
	MPPT voltage range	120-500V
	Maximum input current	15A
	Number of MPPT tracker	2
	Strings per MPPT tracker	1
Inverter Output (AC)	Output voltage range	220/230/240V;180-280V
	Maximum output current	16A
	Frequency (Hz)	50/60Hz; 45-55/55-65Hz
	Grid type	Single phase
Battery	Battery voltage	48V
	Battery voltage range	40-60V
	Maximum charging current	75A
Protections: short circuit, overload, temperature	Yes	
Maximum efficiency	97,10%	
Operating Temperature	(-)20~60°C >45°C	
Interfejs	Wi-Fi / USB / GPRS / RS485	
Cooling	Fans	
Dimensions	480x420x198,7mm	
Weight	27kg	
Gross dimensions	610X590X340mm	
Gross Weight	29kg	



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