

# 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 control software via USB or included external Wi-Fi remote module (preview and control of parameters)
- Compatible with the system BMS

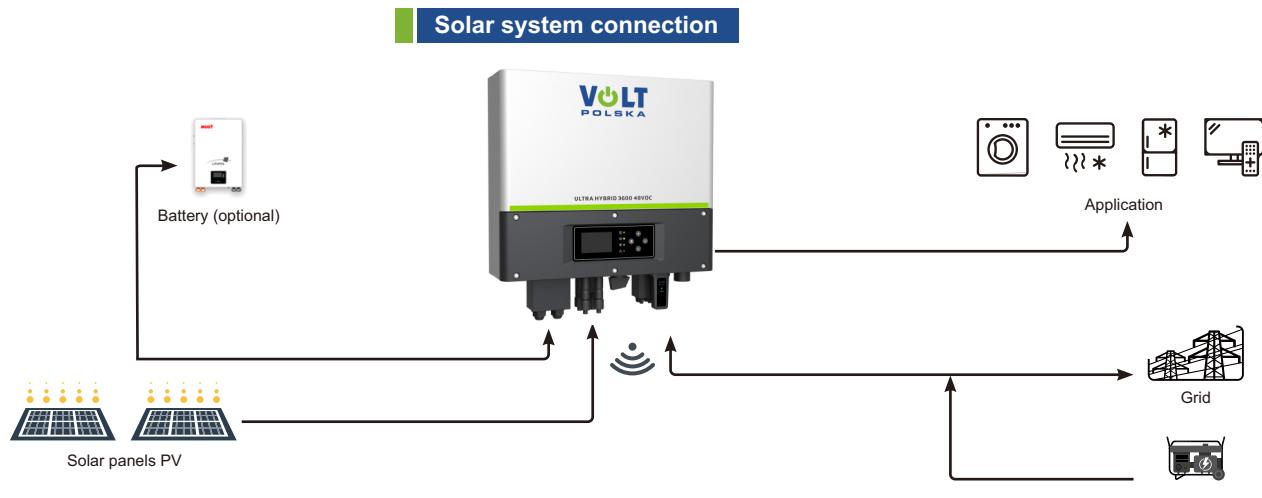
### How does hybrid inverter combines the function of on-grid/off-grid?

#### On-grid:

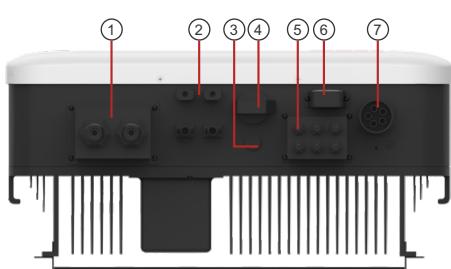
In on-grid when the photovoltaic installation is connected to the user's electrical installation the hybrid inverter works like a typical on-grid inverter. It converts direct current (DC) generated by solar panels into alternating current (AC). Thanks to that we can power electrical devices in the house.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



### Back panel description



### Specification

| Model   | ULTRA HYBRID 3600            |                            |
|---|------------------------------|----------------------------|
| PV Input (DC)                                     | Max power                    | 5400VA                     |
|   | Current power                | 3600W                      |
|   | Nominal DC operating voltage | 360V                       |
|   | Maximum DC voltage           | 500V                       |
|   | MPPT voltage range           | 120-500V                   |
|   | Maximum input current        | 15A                        |
|   | Maximum recommended DC power | 4000W                      |
|   | Number of MPPT tracker       | 2                          |
| Inverter Output (AC)                              | Strings per MPPT tracker     | 1                          |
|   | Output voltage range         | 220/230/240V;180-280V      |
|   | Maximum output current       | 16A                        |
|   | Frequency (Hz)               | 50/60Hz; 45-55/55-65Hz     |
| Battery   | Grid type                    | Single phase               |
|   | Battery voltage              | 48V                        |
|   | Battery voltage range        | 40-60V                     |
| Protections: short circuit, overload, temperature | Maximum charging current     | 75A                        |
|   | Maximum efficiency           | 97,10%                     |
|   | Operating Temperature        | (-20~60°C >45°C)           |
| Interfejs   | Interfejs                    | Wi-Fi / USB / GPRS / RS485 |
|   | Cooling                      | Fans                       |
|   | Dimensions                   | 480x420x198,7mm            |
|   | Weight                       | 27kg                       |
|   | Gross dimensions             | 610X590X340mm              |
| Gross Weight                                      | Gross Weight                 | 29kg                       |



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