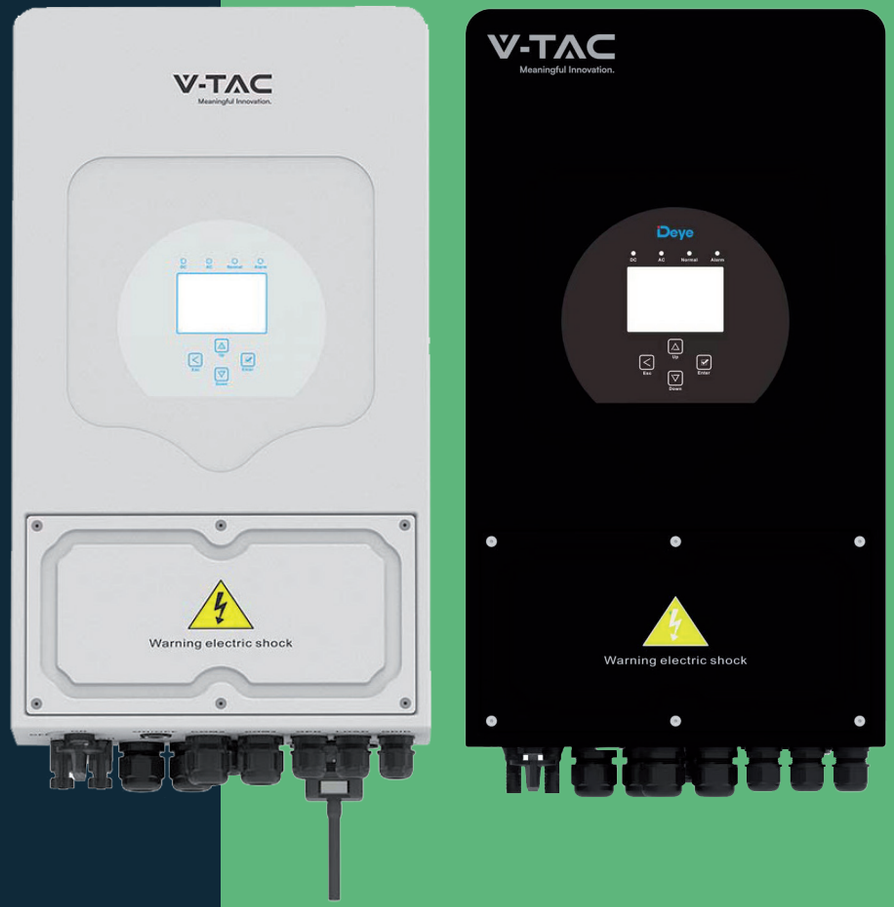
V-TAC

Meaningful Innovation.

# 6kW

## Single Phase Hybrid Solar Inverter

### ITALIAN SPECIFICATION




05 YEAR WARRANTY

- Colorful touch LCD, IP65 protection degree
- Max. charging/discharging current of 135A
- DC couple and AC couple to retrofit existing solar system
- 6 time periods for battery charging/discharging
- Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- Support storing energy from diesel generator

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# Single Phase Hybrid Solar Inverter

## LISTING DETAILS

| | |
|---|---|
| SKU Code: | **11529 White Body**<br>**115291 Black Body** |
| EAN Code: | **3800157693868 White**<br>**3800170227910 Black** |

## MASTER BOX PACKAGING

| | |
|---|---|
| Net Weight : | **24kg** |
| Product Size : | **330W x 580H x232D** |

## EFFICIENCY

| | |
|---|---|
| Max. Efficiency | **97.60%** |
| Euro Efficiency | **96.50%** |
| MPPT Efficiency | **99.90%** |

## GENERAL DATA

| | |
|---|---|
| Operating Temperature Range (°C) | **-40~60°C, >45°C derating** |
| Cooling | **Natural cooling** |
| Noise (dB) | **<30 dB** |
| Communication with BMS | **RS485; CAN** |
| Protection Degree | **IP65** |
| Installation Style | **Wall-mounted** |

## PV STRING INPUT DATA

| | |
|---|---|
| Max. DC Input Power (W) | **7800** |
| Rated PV Input Voltage (V) | **370 (125~500)** |
| Start-up Voltage (V) | **125** |
| MPPT Voltage Range (V) | **150-425** |
| Full Load DC Voltage Range (V) | **300-425** |
| PV Input Current (A) | **13+13** |
| Max. PV ISC (A) | **17+17** |
| No.of MPP Trackers | **2** |
| No.of Strings per MPP Tracker | **1+1** |

## AC OUTPUT DATA

| | |
|---|---|
| Rated AC Output and UPS Power (W) | **6000** |
| Max. AC Output Power (W) | **6600** |
| AC Output Rated Current (A) | **27.3/26.1** |
| Max. AC Current (A) | **30/28.7** |
| Max. Continuous AC Passthrough (A) | **40A** |
| Peak Power (off grid) | **2 time of rated power, 10 S** |
| Power Factor Adjustment Range | **0.8 leading to 0.8 lagging** |
| Grid Type | **Single Phase** |
| DC injection current (mA) | **THD<3% (Linear load<1.5%)** |
| Output Frequency and Voltage | **50/60Hz; L/N/PE 220/230Vac** |

## BATTERY INPUT DATA

| | |
|---|---|
| Battery Type | **Lead-acid or Li-Ion** |
| Battery Voltage Range (V) | **40~60** |
| Max. Charging Current (A) | **135** |
| Max. Discharging Current (A) | **135** |
| External Temperature Sensor | **Yes** |
| Charging Curve | **3 Stages / Equalization** |
| Charging Strategy for Li-Ion Battery | **Self-adaption to BMS** |

## PROTECTION

| | |
|---|---|
| Integrated | **Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection** |
| Output Over Voltage Protection | **DC Type II/AC Type III** |

## CERTIFICATIONS AND STANDARDS

| | |
|---|---|
| Grid Regulation | **VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150** |
| Safety EMC / Standard | **IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2** |