

# V-TAC

Meaningful Innovation.

## 6kW

### Single Phase Hybrid Solar Inverter

ITALIAN SPECIFICATION

**05** YEAR  
WARRANTY



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

**16**

Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

**135**

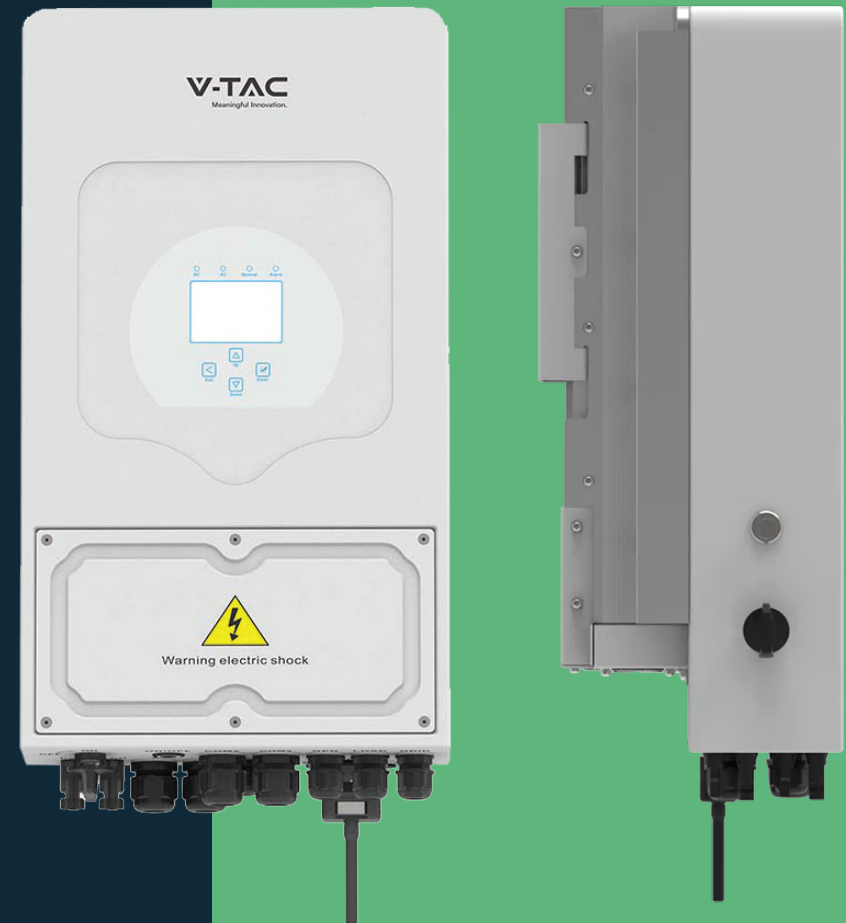
Max. charging/discharging current of 135A

**6**

6 time periods for battery charging/discharging



Support storing energy from diesel generator



V-TAC.EU

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VTACEXPORTS.COM



CE RoHS

## LISTING DETAILS

SKU Code: **11529**

EAN Code: **3800157693868**

## 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**

## 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 **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 (single phase)**

## 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

PV Input Lightning Protection, 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**