

V-TAC

Meaningful Innovation.

5kW

Single Phase Hybrid Solar Inverter

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

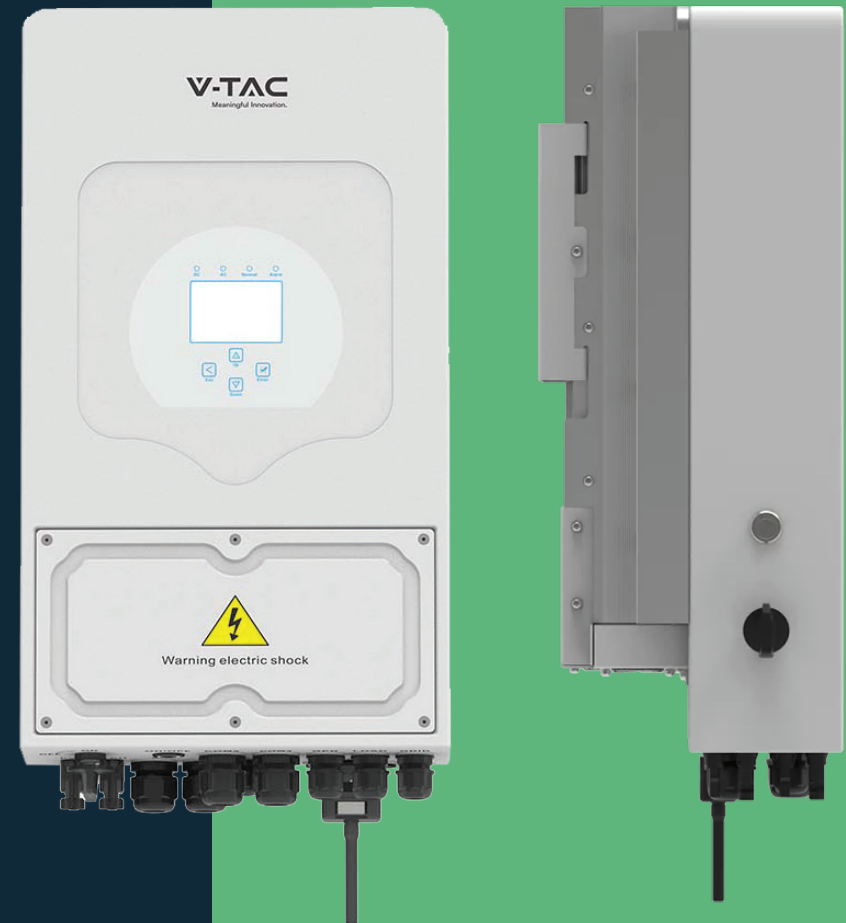
Max. charging/discharging current of 135A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator



V-TAC.EU

|

LED-EUROPE.PL



CE RoHS

LISTING DETAILS

SKU Code: **11547**

EAN Code: **3800157697330**

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) **6500**

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) **5000**

Max. AC Output Power (W) **5500**

AC Output Rated Current (A) **25/23.9**

Max. AC Current (A) **22.7/21.7**

Max. Continuous AC Passthrough (A) **35**

Peak Power (off grid) **2 time of rated power, 10 S**

Power Factor **0.8 leading to 0.8 lagging**

Grid Type **THD<3% (Linear load<1.5%)**

DC injection current (mA) **Single Phase**

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) **120**

Max. Discharging Current (A) **120**

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**