

V-TAC

Meaningful Innovation.

3.6kW

Single Phase Hybrid Solar Inverter

05 YEAR
WARRANTY



Colorful touch LCD, IP65 protection degree



AC couple to retrofit existing solar system

16

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

135

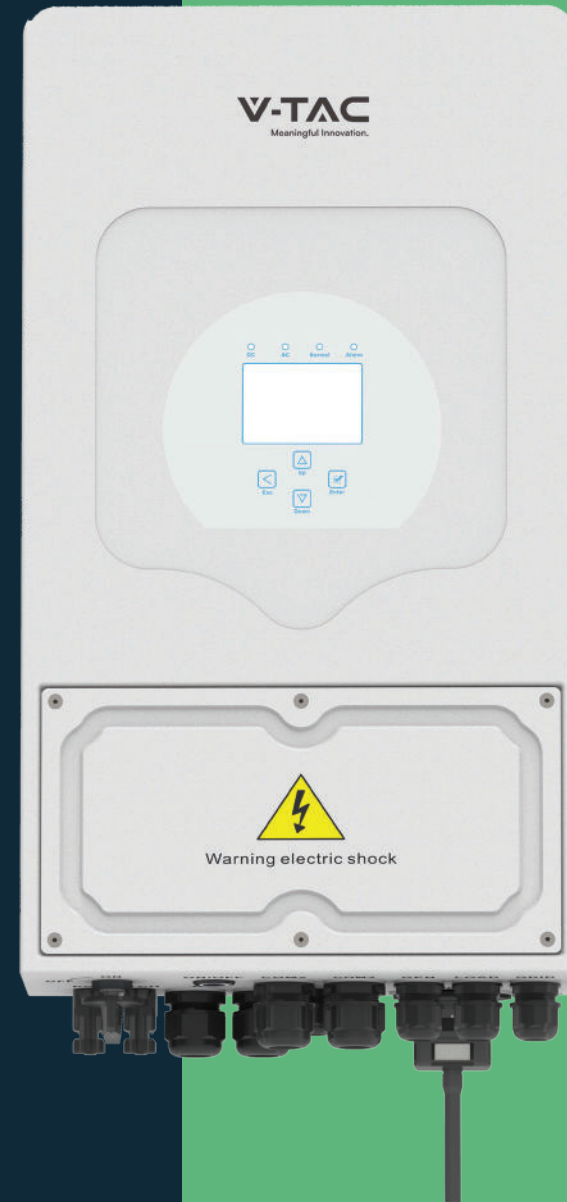
Max. charging/discharging current of 135A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator



V-TAC.EU

|

VTACEXPORTS.COM



CE RoHS

LISTING DETAILS

SKU Code: **11725**
 EAN Code: **3800170202658**

MASTER BOX PACKAGING

Net Weight : **20.5kg**
 Product Size : **330×580×232**

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 **Smart 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) **4680**
 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) **3600**
 Max. AC Output Power (W) **3960**
 AC Output Rated Current (A) **18/17.2**
 Max AC Output Current (A) **16.4/15.7**
 Max. Continuous AC Passthrough (A) **35A**
 Peak Power (off grid) **2 time of rated power, 10 S**
 Power Factor Adjustment Range **0.8 leading to 0.8 lagging**
 Grid Type **Split Phase**
 Total Harmonic Distortion (THD) **<3% (of nominal power)**
 DC Current Injection **<0.5% In**
 Output Frequency and Voltage **50/60Hz; L/N/PE 220/230Vac**

BATTERY INPUT DATA

Battery Type **Lead-acid or Lithium-ion**
 Battery Voltage Range (V) **40~60**
 Max. Charging Current (A) **90A**
 Max. Discharging Current (A) **90A**
 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**

Over Voltage Category **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**