

# V-TAC

Meaningful Innovation.

## 10kW

## Three Phase Hybrid Solar Inverter

**05** YEAR  
WARRANTY



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

**10**

Max. 10pcs parallel for on-grid and o-grid operation; Support multiple batteries parallel

**240**

Max. charging/discharging current of 240A

**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: **11542**  
 EAN Code: **3800157697217**

## MASTER BOX PACKAGING

Net Weight : **33.6kg**  
 Product Size : **422W x 699.3H x 279D**

## EFFICIENCY

Max. Efficiency **97.60%**  
 Euro Efficiency **97.00%**  
 MPPT Efficiency **99.90%**

## GENERAL DATA

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

## PV STRING INPUT DATA

Max. DC Input Power (W) **13000**  
 Rated PV Input Voltage (V) **550V(160V~800V)**  
 Start-up Voltage (V) **160V**  
 MPPT Voltage Range (V) **200V-650V**  
 Full Load DC Voltage Range (V) **350V-650V**  
 PV Input Current (A) **26+13**  
 Max. PV ISC (A) **34+17**  
 No.of MPP Trackers **2**  
 No.of Strings per MPP Tracker **2+1**

## AC OUTPUT DATA

Rated AC Output and UPS Power (W) **10000**  
 Max. AC Output Power (W) **11000**  
 AC Output Rated Current (A) **15.2/14.5**  
 Max. AC Current (A) **22.7/21.7**  
 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 **Three Phase**  
 DC injection current (mA) **THD<3% (Linear load<1.5%)**  
 Output Frequency and Voltage **50/60Hz; 3L/N/PE 220/380, 230/400Vac**

## BATTERY INPUT DATA

Battery Type **Lead-acid or Li-Ion**  
 Battery Voltage Range (V) **40~60**  
 Max. Charging Current (A) **210A**  
 Max. Discharging Current (A) **210A**  
 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**