

# V-TAC

Meaningful Innovation.

# 12kW

## 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 off-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:	<b>11543</b>	Net Weight :	<b>33.6kg</b>
EAN Code:	<b>3800157697224</b>	Product Size :	<b>422W x 699.3H x279D</b>

## MASTER BOX PACKAGING

## EFFICIENCY

Max. Efficiency	<b>97.60%</b>
Euro Efficiency	<b>97.00%</b>
MPPT Efficiency	<b>99.90%</b>

## GENERAL DATA

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

## PV STRING INPUT DATA

Max. DC Input Power (W)	<b>15600</b>
Rated PV Input Voltage (V)	<b>550V(160V~800V)</b>
Start-up Voltage (V)	<b>160V</b>
MPPT Voltage Range (V)	<b>200V-650V</b>
Full Load DC Voltage Range (V)	<b>350V-650V</b>
PV Input Current (A)	<b>26+13</b>
Max. PV ISC (A)	<b>34+17</b>
No.of MPP Trackers	<b>2</b>
No.of Strings per MPP Tracker	<b>2+1</b>

## AC OUTPUT DATA

Rated AC Output and UPS Power (W)	<b>12000</b>
Max. AC Output Power (W)	<b>13200</b>
AC Output Rated Current (A)	<b>18.2/17.4</b>
Max. AC Current (A)	<b>27.3/26.1</b>
Max. Continuous AC Passthrough (A)	<b>40A</b>
Peak Power (off grid)	<b>2 time of rated power, 10 S</b>
Power Factor	<b>0.8 leading to 0.8 lagging</b>
Grid Type	<b>Three Phase</b>
DC injection current (mA)	<b>THD&lt;3% (Linear load&lt;1.5%)</b>
Output Frequency and Voltage	<b>50/60Hz; 3L/N/PE 220/380, 230/400Vac</b>

## BATTERY INPUT DATA

Battery Type	<b>Lead-acid or Li-Ion</b>
Battery Voltage Range (V)	<b>40~60</b>
Max. Charging Current (A)	<b>240A</b>
Max. Discharging Current (A)	<b>240A</b>
External Temperature Sensor	<b>Yes</b>
Charging Curve	<b>3 Stages / Equalization</b>
Charging Strategy for Li-Ion Battery	<b>Self-adaption to BMS</b>

## 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