

V-TAC

Meaningful Innovation.

12kW

Three Phase Hybrid Solar Inverter

05 YEAR
WARRANTY



Colorful touch LCD, IP65 protection degree

240

Max. charging/discharging current of 240A



DC couple and AC couple to retrofit existing solar system

6

6 time periods for battery charging/discharging

10

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



Support storing energy from diesel generator



V-TAC.EU

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LED-EUROPE.PL



CE RoHS

LISTING DETAILS

| | | | |
|-----------|----------------------|----------------|----------------------------|
| SKU Code: | 11543 | Net Weight : | 33.6kg |
| EAN Code: | 3800157697224 | Product Size : | 422W x 699.3H x279D |

MASTER BOX PACKAGING

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) | 15600 |
| 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) | 12000 |
| Max. AC Output Power (W) | 13200 |
| AC Output Rated Current (A) | 18.2/17.4 |
| Max. AC Current (A) | 27.3/26.1 |
| 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) | 240A |
| Max. Discharging Current (A) | 240A |
| 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