



# 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 o-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**