



8kW

Single Phase Hybrid Solar Inverter

05 YEAR
WARRANTY



Colorful touch LCD, IP65 protection degree

190

Max. charging/discharging current of 190A



AC couple to retrofit existing solar system

6

6 time periods for battery charging/discharging

16

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



Support storing energy from diesel generator



V-TAC.EU



VTACEXPORTS.COM



CE RoHS

LISTING DETAILS

SKU Code: **11803**

EAN Code: **3800170206496**

MASTER BOX PACKAGING

Net Weight : **32kg**

Product Size : **420×670×233**

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) **<30 dB**

Communication with BMS **RS485; CAN**

Protection Degree **IP65**

Installation Style **Wall-mounted**

PV STRING INPUT DATA

Max. DC Input Power (W) **10400**

Rated PV Input Voltage (V) **370 (125-500)**

Start-up Voltage (V) **125V**

MPPT Voltage Range (V) **150-425V**

Full Load DC Voltage Range (V) **200-425V**

PV Input Current (A) **26+26**

Max. PV ISC (A) **44+44**

No.of MPP Trackers **2**

No.of Strings per MPP Tracker **2+2**

AC OUTPUT DATA

Rated AC Output and UPS Power (W) **8000**

Max. AC Output Power (W) **8800**

AC Output Rated Current (A) **33.3/38.5**

Max AC Output Current (A) **36.7/42.3**

Max. Continuous AC Passthrough (A) **50A**

Peak Power (off grid) **2 time of rated power, 10 S**

Power Factor **0.8 leading to 0.8 lagging**

Grid Type **Split Phase; 2/3 phase; Single Phase**

Total Harmonic Distortion (THD) **<3% (of nominal power)**

DC Current Injection **<0.5% In**

Output Frequency and Voltage **50 / 60Hz;
L1/L2/N(PE) 120/240Vac (split phase),
208Vac (2/3 phase),
L/N/PE 220/230Vac (single phase)**

BATTERY INPUT DATA

Battery Type **Lead-acid or Lithium-ion**

Battery Voltage Range (V) **40~60**

Max. Charging Current (A) **190A**

Max. Discharging Current (A) **190A**

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**