

# V-TAC

Meaningful Innovation.

## 60kW

## Three Phase On-Grid Solar Inverter

### 10 YEAR WARRANTY



Multi MPP trackers



160% DC Input  
oversizing



Smart I-V curve  
diagnosis supported



DC&AC type II SPD



Intelligent fault  
detection



AFCI function  
(Optional)



IP66  
rating

V-TAC.EU



VTACEXPORTS.COM



CE RoHS

## LISTING DETAILS

|           |                      |                |                           |
|-----------|----------------------|----------------|---------------------------|
| Model No: | <b>VT-61060</b>      | Net Weight :   | <b>50kg</b>               |
| SKU Code: | <b>11631</b>         | Product Size : | <b>650 x 450 x 260 mm</b> |
| EAN Code: | <b>3800170200159</b> |                |                           |

## INPUT (DC)

|                                     |                      |
|-------------------------------------|----------------------|
| Max. Input Power                    | <b>96kW</b>          |
| Max. Input Voltage                  | <b>1100V</b>         |
| Start Voltage                       | <b>250V</b>          |
| Rated Input Voltage                 | <b>600V</b>          |
| Full-load MPP Voltage Range         | <b>520V ~ 850V</b>   |
| MPPT Voltage Range                  | <b>200V ~ 1000V</b>  |
| Number of MPP Trackers              | <b>4</b>             |
| Number of string per MPPT           | <b>3 / 3 / 3 / 3</b> |
| Max. Current per MPPT               | <b>39A</b>           |
| Max. Short Circuit Current per MPPT | <b>48A</b>           |

## GENERAL DATA

|                             |                        |
|-----------------------------|------------------------|
| Operating Temperature Range | <b>-30°C ~ +60°C</b>   |
| Cooling Method              | <b>Smart Cooling</b>   |
| Protection Degree           | <b>IP66</b>            |
| Max. Operating Altitude     | <b>4000m</b>           |
| Relative Humidity           | <b>0 ~ 100%</b>        |
| Topology                    | <b>Transformerless</b> |
| Night Power Consumption     | <b>&lt;1W</b>          |

## MASTER BOX PACKAGING

## COMMUNICATION

|               |  |                     |               |
|---------------|--|---------------------|---------------|
| Display       | <b>LED / LCD / WiFi+App</b>  | Max. Efficiency     | <b>98.80%</b> |
| Communication | <b>Standard : RS485/ USB<br/>Optional : WiFi / GPRS / Ethernet</b> | European Efficiency | <b>98.40%</b> |
|               |  | MPPT Efficiency     | <b>99.90%</b> |

## OUTPUT (AC)

|                      |   |                                  |                 |
|----------------------|---|----------------------------------|-----------------|
| Max. Output Current  | <b>95.6A</b>                              | DC reverse polarity protection   | <b>Yes</b>      |
| Rated Output Power   | <b>60kW</b>                               | Anti-islanding protection        | <b>Yes</b>      |
| Max. Output Power    | <b>66kVA</b>                              | AC short circuit protection      | <b>Yes</b>      |
| Rated Grid Frequency | <b>50Hz / 60Hz</b>                        | Residual current monitoring unit | <b>Yes</b>      |
| Rated Grid Voltage   | <b>230Vac / 400Vac</b>                    | Insulation resistance monitoring | <b>Yes</b>      |
| Power Factor         | <b>&gt;0.99 (0.8 leading~0.8 lagging)</b> | Ground fault monitoring          | <b>Yes</b>      |
| THDi                 | <b>&lt;3% (Rated Power)</b>               | Grid monitoring                  | <b>Yes</b>      |
|                      |   | PV string monitoring             | <b>Yes</b>      |
|                      |   | Surge protection                 | <b>Type II</b>  |
|                      |   | AFCI protection                  | <b>Optional</b> |

## EFFICIENCY

## PROTECTION

## STANDARD COMPLIANCE

|                           |   |
|---------------------------|---|
| Grid Connection Standards | <b>IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2020, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99</b> |
| Safety / EMC              | <b>IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011</b>   |



## Efficient Higher Revenue

- 4 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
- 160% DC Input Oversizing
- Maximum efficiency of 98.8%. Wide MPPT voltage range: 200V-1000V
- Compatible with high power modules



## Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: ac-side voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones



## Reliable Worry Free

- IP66 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

