



# US VOLTAGE

## on grid solar system

Smart 15KW Solar form 3-Phase Inverter  
with Grid Stability & Energy Monitoring.

### MT-15KW3-ON

ON  
GRID

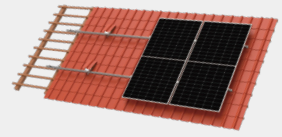
## Solar System Kit



WOODEN BOX



solar panel



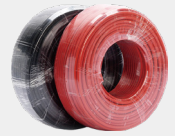
Mounting Bracket



solar inverter



Wifi Monitor



PV Cable



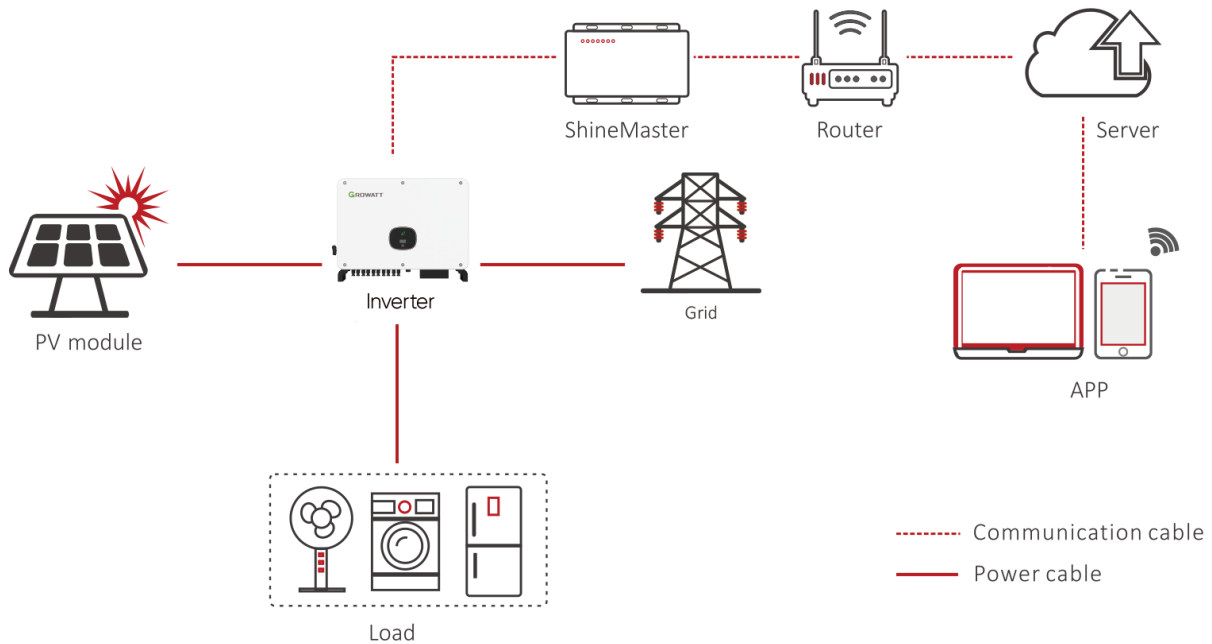
MC4 Connector



AC/DC Switch(Optional)



PV-TOOL



## PV Modules

### Parameter

|                                 |       |
|---------------------------------|-------|
| Testing Condition               | STC   |
| Maximum Power(Pmax/W)           | 440W  |
| Open Circuit Voltage(Voc/V)     | 39.44 |
| Short Circuit Current(Isc/A)    | 14.27 |
| Voltage at Maximum Power(Vmp/V) | 32.45 |
| Current at Maximum Power(Imp/A) | 13.56 |
| Module Efficiency(%)            | 22.53 |

Positive power tolerance (0~+5W) guaranteed; Reduced resistive loss with lower operating current; Higher energy yield with lower operating current; Reduced hot spot risk with optimized electrical design and lower operating current



## Inverter

### Parameter

#### Input Data (DC)

|                                   |            |
|-----------------------------------|------------|
| Max. recommended PV power         | 22500W     |
| MPPT voltage range                | 200V-1000V |
| No. of MPP trackers               | 3          |
| No. of PV strings per MPp tracker | 4/4/4      |

#### Output data (AC)

|                            |                            |
|----------------------------|----------------------------|
| AC nominal power           | 15000W                     |
| Nominal AC voltage(range*) | 127V/220V three-phase      |
| AC grid frequency (range*) | 50/60 Hz(45-55Hz/55-65 Hz) |

#### General Data

|                    |                    |
|--------------------|--------------------|
| Dimensions (W/H/D) | 680/508/281mm      |
| Weight             | 52kg               |
| Topology           | Transformerless    |
| Cooling            | Natural convection |
| Protection degree  | IP65               |

220V Three Phase Solution; High efficiency up to 98.8%;  
Local WiFi configuration; AC&DC type II SPD



