



US VOLTAGE

on grid solar system

Three-phase grid-tied solar solution
for 50KW residential installations

MT-50KW3-ON

ON
GRID

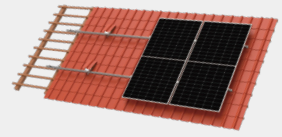
Solar System Kit



WOODEN BOX



solar panel



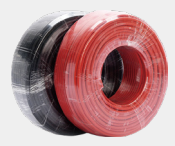
Mounting Bracket



solar inverter



Wifi Monitor



PV Cable



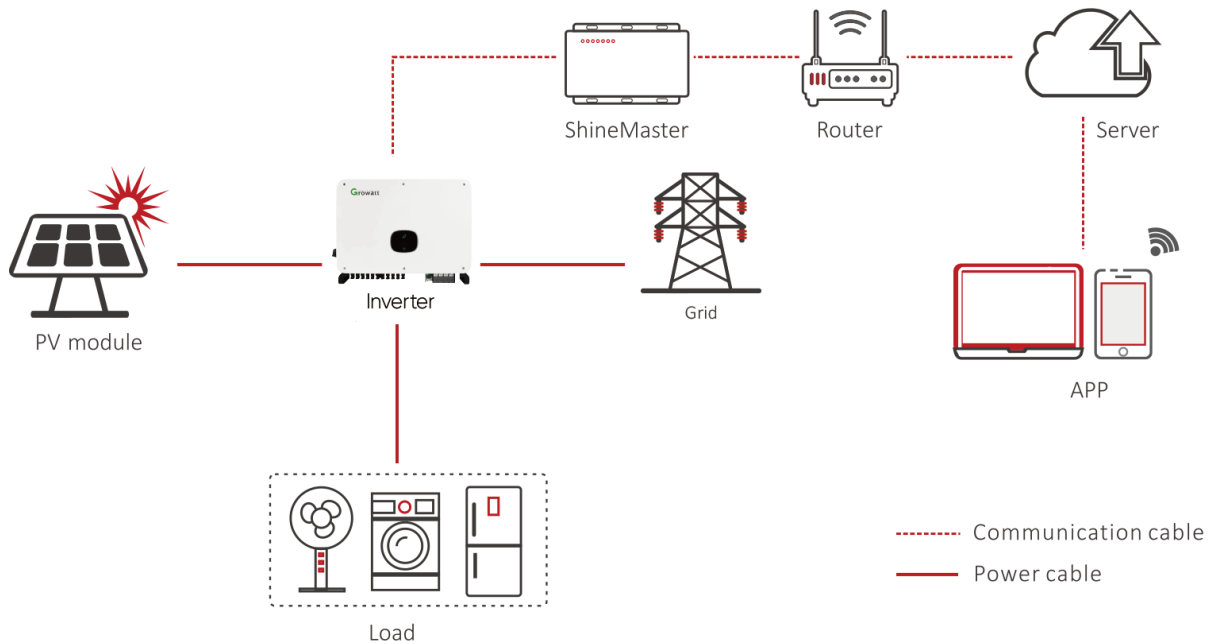
MC4 Connector



AC/DC Switch(Optional)



PV-TOOL



PV Modules

Parameter

Testing Condition	STC
Maximum Power(Pmax/W)	550W
Open Circuit Voltage(Voc/V)	49.64
Short Circuit Current(Isc/A)	14.00
Voltage at Maximum Power(Vmp/V)	40.90
Current at Maximum Power(Imp/A)	13.45
Module Efficiency(%)	21.29

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	75000W
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	50000W
Nominal AC voltage(range*)	277V/480V 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

High efficiency up to 98.8%; OLED display and touch button;
AC&DC type II SPD; Smart diagnosis



