



US VOLTAGE

on grid solar system

5KW home solar with Split-phase grid-tied inverter
for seamless energy conversion

MT-5KW2-ON

ON
GRID

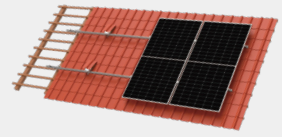
Solar System Kit



WOODEN BOX



solar panel



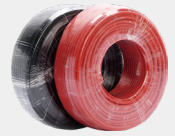
Mounting Bracket



solar inverter



Wifi Monitor



PV Cable



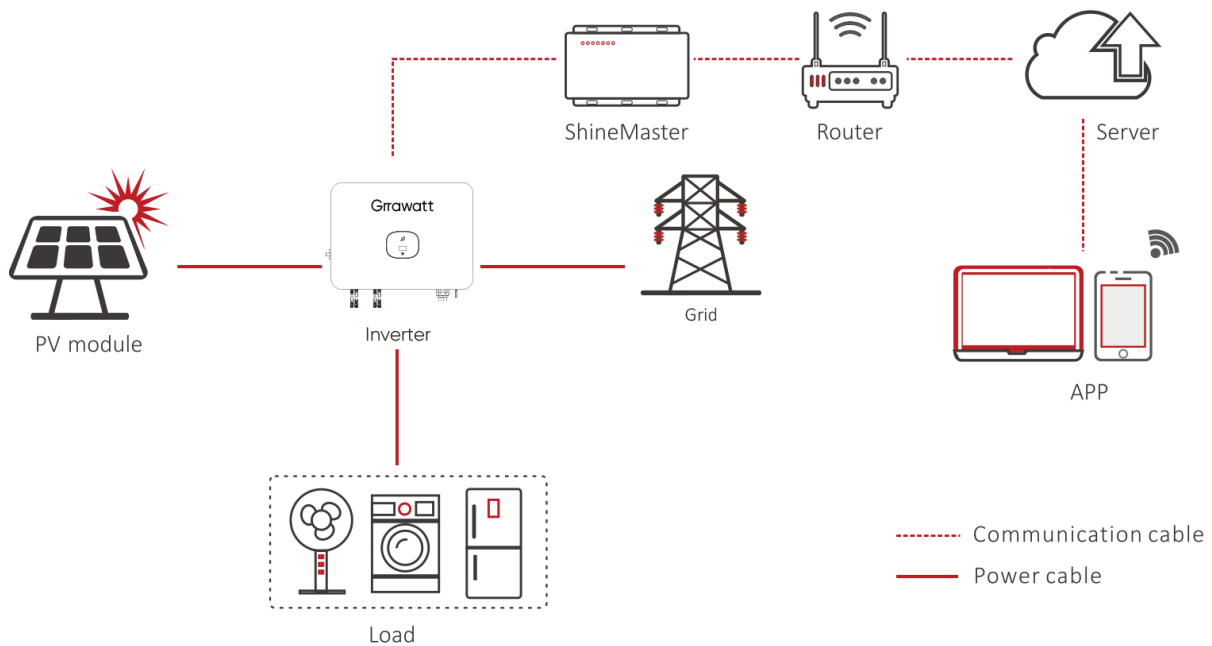
MC4 Connector



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	7000W
MPPT voltage range	80V-550V
No. of MPP trackers	2
No. of PV strings per MPp tracker	1

Output data (AC)

AC nominal power	5000W
Nominal AC voltage(range*)	Default: 240V split-phase
AC grid frequency (range*)	50/60 Hz(45-55Hz/55-65 Hz)

General Data

Dimensions (W/H/D)	375/350/160mm
Weight	10.8kg
Topology	Transformerless
Cooling	Natural convection
Protection degree	IP65

Maximum efficiency 98.4%; Dual MPP trackers; Type II SPD on DC side;
Supports export control

