

## MPPT Solar Inverter

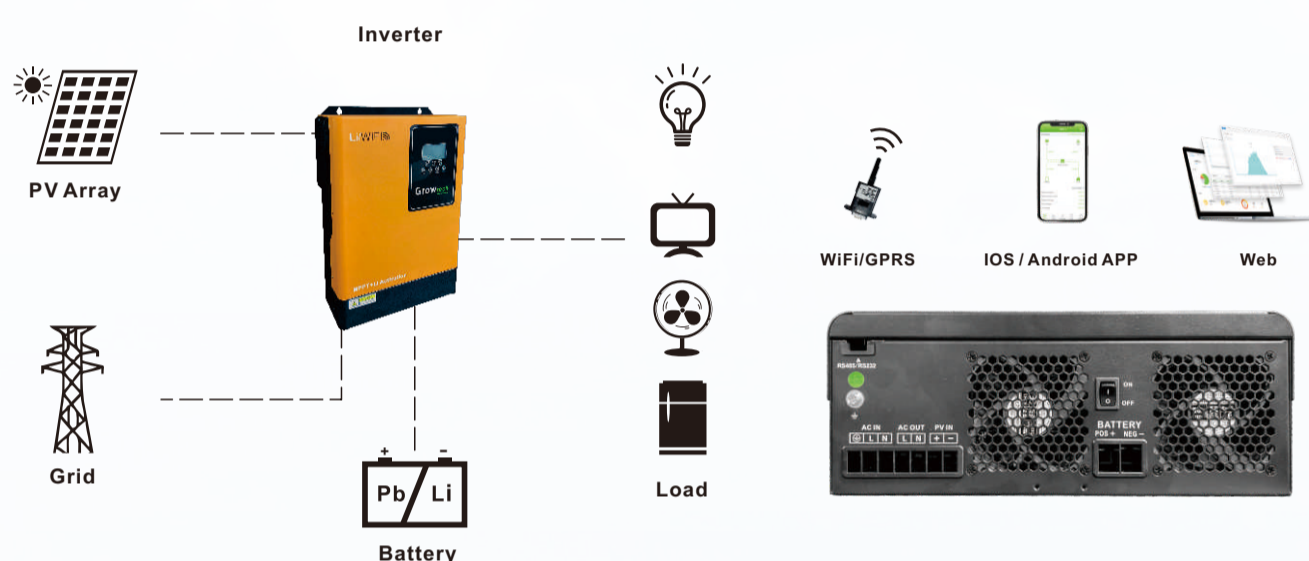
### 5.5KW 48V

High PV Voltage(60Vdc-500Vdc)



## GT-MP5548

### System Diagram



### Technical Data

<b>MODEL</b>	<b>GT-MP5548</b>
Capacity	5.5KVA/5.5KW
Parallel Capability	NO
<b>INPUT</b>	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280vac(For Home Appliances)
Frequency	50/60 Hz(Auto sensing)
<b>OUTPUT</b>	
Nominal Voltage	220/230VAC ± 5%
Surge Power	11000VA
Frequency	50/60Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency(PV to INV)	96%
Peak Efficiency(Battery to INV)	93%
Overload Protection	5s@ > = 150% load; 10s@110%~150% load
Crest Factor	3:1
Admissible Power Factor	0.6~1 (inductive or capacitive)
<b>BATTERY</b>	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC / CV
Lithium Battery Activation	YES
Lithim battery Communication	YES(RS485)
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Max.PV Array Power	5500W
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max.Solar Input Current	18A
Max.Solar Charge Current	100A
Max.AC Charge Current	80A
Max.Charge Current (PV+AC)	100A
<b>PHYSICAL</b>	
Dimensions,D x W x H(mm)	438*295*105
Package Dimensions,D x W x H(mm)	560*375*185
Net Weight(Kg)	9
Communication Interface	RS232+RS485
<b>ENVIRONMENT</b>	
Operating Temperature Range	(-10°C to 50°C)
Storage Temperature	(-15°C ~ 50°C)
Humidity	5% to 95% Relative Humidity ( Non-condensing )

Product specifications are subject to change without further notice.