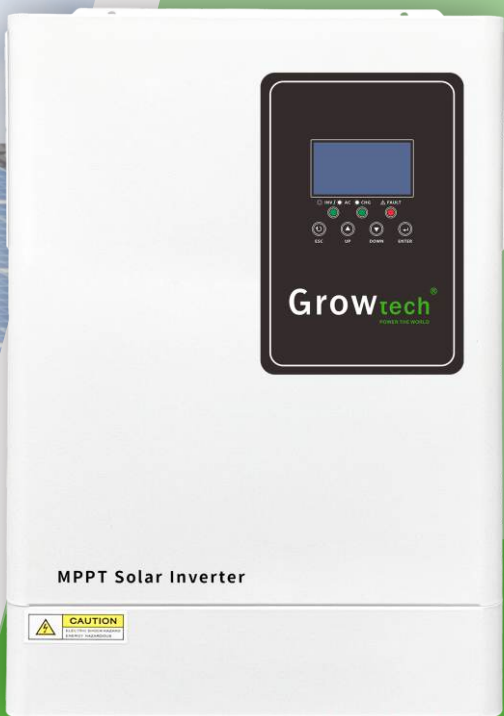


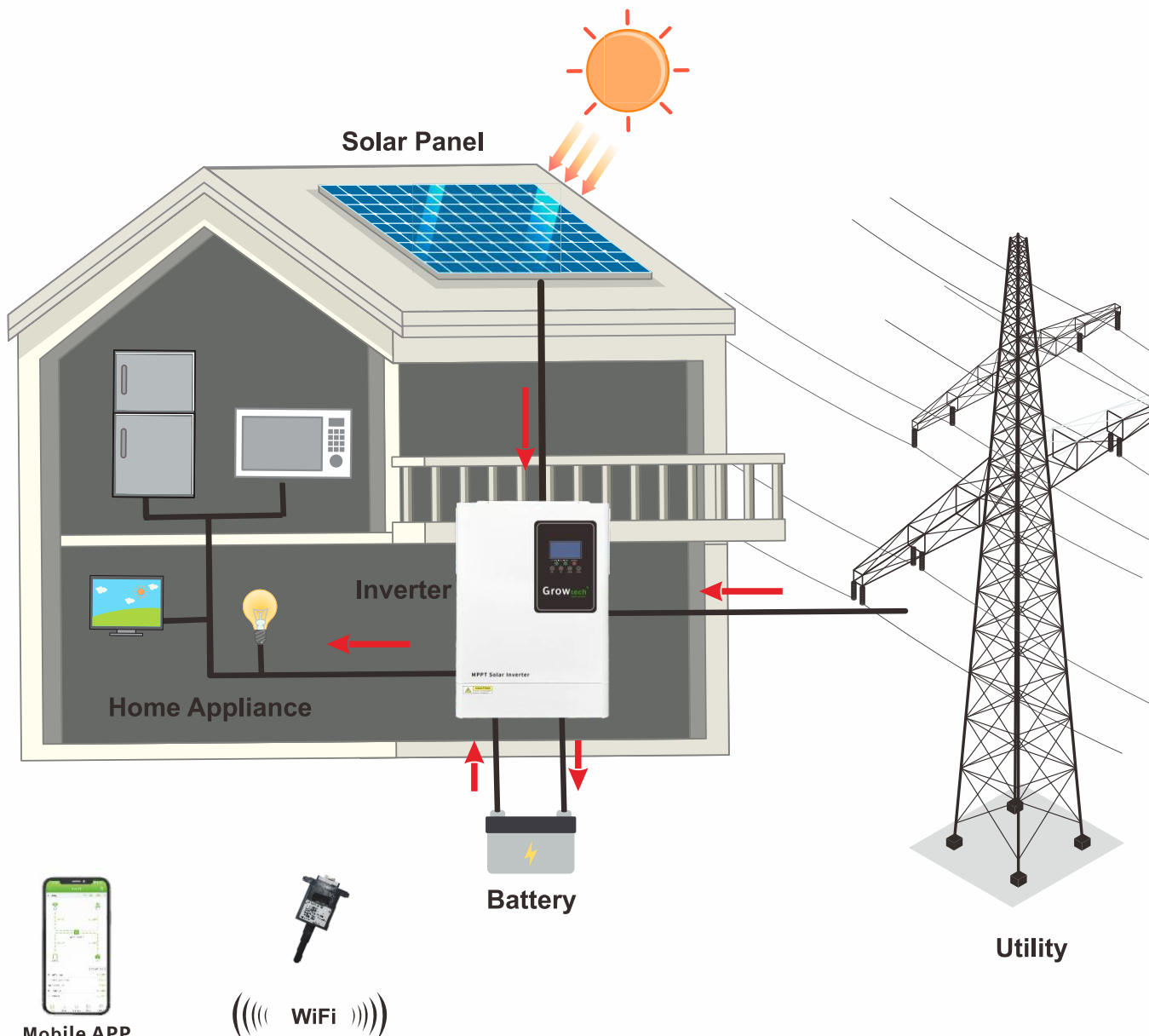
MPPT Solar Inverter

5.5KW-48V
220V / 230Vac Output

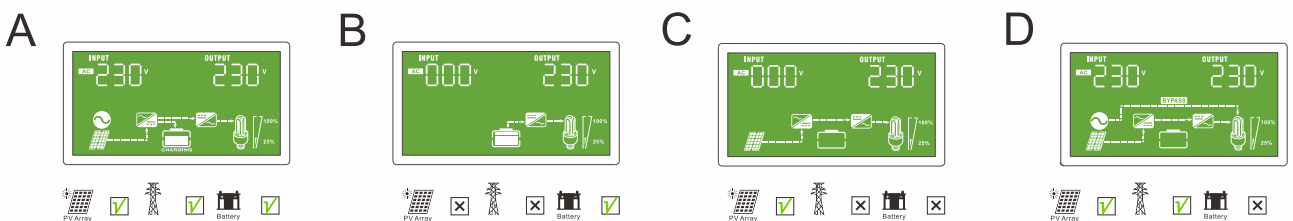
- Pure sine wave
- Output power factor 1.0
- High PV input voltage range 500Vdc Max
- Built-in MPPT solar charge controller
- Detachable dust cover for harsh environment
- Support multiple output priority: UTL, SOL, SBU,SUB
- **WiFi remote monitoring optional**
- Capable to work without battery
- Battery equalization function to optimize battery performance and extend lifecycle



Application Diagram



System Diagram



Technical Data

MODEL		GW5548
CAPACITY		5.5KVA/5.5KW
INPUT		
Nominal Voltage		230VAC
Acceptable Voltage Range		170-280VAC(For personal Computer);90-280vac(For Home Appliances)
Frequency		50/60 Hz(Auto sensing)
OUTPUT		
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		2:1
Admissible Power FACTOR		0.6~1 (inductive or capacitive)
BATTERY		
Battery Voltage		48VDC
Floating Charge Voltage		54VDC
OverCharge Protection		63VDC
Charging Method		CC/CV
Solar Charger & AC Charger		
Solar Charger TYPE		MPPT
Max.PV Array Power		5500W
Max.PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		120VDC~450VDC
Max.Solar Input Current		18A
Max.Solar Charge Current		100A
Max.AC Charge Current		60A
Max.Charge Current		100A
PHYSICAL		
Dimensions,D x W x H(mm)		438x295x105
Package Dimensions,D x W x H(mm)		560x375x185
Net Weight(Kg)		9
Communication Interface		RS232
ENVIRONMENT		
Operating Temperature Range		(-10°C to 50°C)
Storage temperature		(-15°C ~ 50°C)
Humidity		5% to 95%Relative Humidity(Non-condensing)