

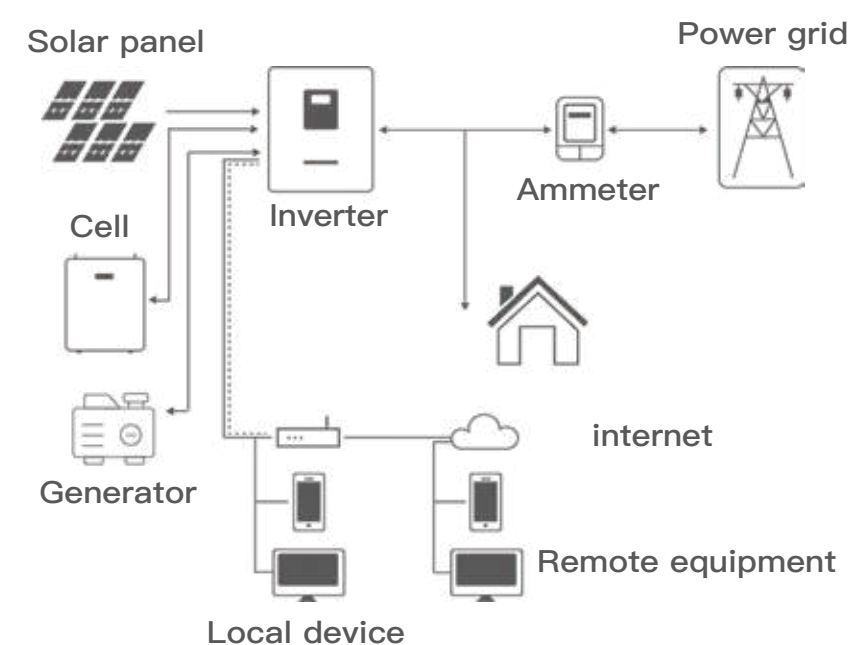
## VII 5KW Series

Wall-mounted off-Grid Solar Inverter



### Product characteristics

- Hybrid off grid inverter, support mains, photovoltaic, battery access
- Supports battery cold start
- DPS digital control technology, double transform online design, using input PFC technology, input power up to 0.99, efficient inverter topology, higher output efficiency
- The battery balancing function optimizes battery performance and extends battery life
- Built-in 80A MPPT solar charger, higher energy storage efficiency
- Mains/photovoltaic/battery/multi-mode optimal output
- Built-in air filter kit for harsh environments
- Max. 9 parallel machines



### SPECIFICATION

MODEL	VII 5KW
Rated power	5000VA
<b>PV input</b>	
Maximum photovoltaic array power	5000W
Maximum open circuit voltage of photovoltaic array	450Vdc
MPPT range @ Operating voltage	120Vdc-430Vdc
Maximum photovoltaic array power	5000W
Rated voltage	320V
MPPT quantity	1
<b>Grid-connected operating mode (AC)</b>	
Grid-connected Output (AC)	
Rated voltage	220/230/240Vac
Suitable voltage range	184 ~ 264.5 VAC
Suitable frequency range	47.5-51.5Hz
Maximum output current	21.7A
Power factor	>0.99
Maximum conversion efficiency	95%
<b>Off-grid working mode</b>	
Mains mode	
Voltage range	170-280Vac(applicable to personal computer) ;90-280Vac(applicable to household appliances)
Frequency	50/60HZ
Efficiency	95%
Battery mode	
Rated voltage	220/230/240 VAC
Wave form	Pure sine wave
Efficiency	93%
<b>Energy storage battery</b>	
Battery voltage	48V
Maximum charging current (MPPT)	80A
Maximum charging current (AC)	80A
Maximum charging current	80A
Battery type	Lead-acid, AGM, lithium battery
<b>screen</b>	
Parallel function	Support nine largest weaver
External security module (optional)	yes
Communication interface	USB , RS232, Dry contact
Protection function	Output short circuit, overload, over temperature protection function
<b>Working environment</b>	
Operating temperature	-10c-50°C
Storage temperature	-15°C-60 °C
Relative humidity	5%-95%
<b>Physical</b>	
Size (D/W/H)	480x310x125mm
Net weight (KG)	11
Executive standard	CE