

PT Series solar inverter

Product features

- Touch screen color control
- Available work without battery bank
- Built in or external WiFi monitoring (optional)
- Lithium batteries compatible with Rs485 interface
- PV can support the loads without going through batteries
- IGBT (Germany infineon) technology for both inverter and MPPT
- LVD/HVD setting and AC/PV charging voltages setting available
- SCR ATS for different working modes (1ms for switching-No break)
- Transformer based with 3 times peak power (Good to run inductive loads)
- Battery cut-off voltage setting AC/PV charging currents setting available
- IP64 protection for PCB boards (Prevents dusts and insects from coming inside)

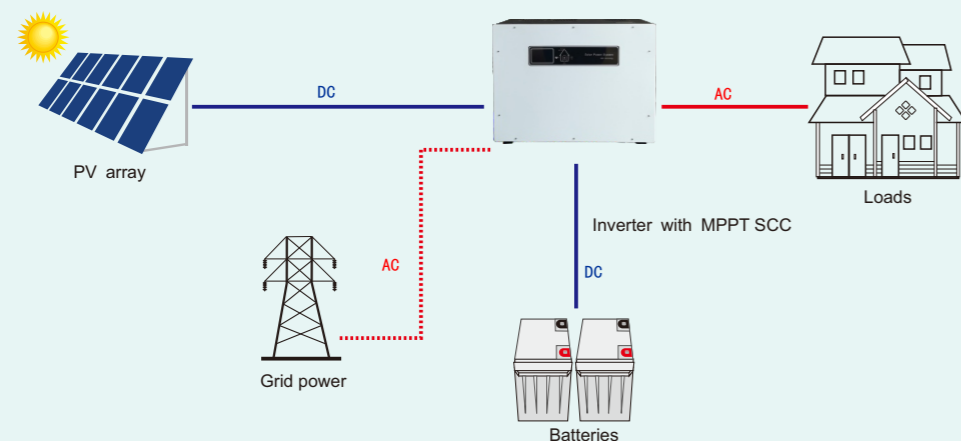


Application



Residential Hotel Villa Ship/Island Farm No electricity area Factory

Application diagram



Technical Parameters

Inverter with controller mode	PT8K	PT10K	PT12K
Rated power	8KW	10KW	12KW
Battery voltage	48V		
Size:(L*W*Hmm)	800*630*320mm	900*630*320mm	
package size (L*W*Hmm)	900*725*480mm	1025*740*480mm	
N.W. (KG)	107.5	116	129
G.W.(KG)	129.5	140	153

Input

Phase	L+N+G
AC input range	110V:85-138VAC; 220V:170-275VAC
Input frequency	45Hz~55Hz

Output

Output voltage	inverter mode: 110VAC/220V±5%; AC mode: 110VAC/220VAC±10%;
Frequency range (AC mode)	Automatic tracking
Frequency range (inverter mode)	50Hz/60Hz±1%
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Peak current ratio	3:1max
Conversion time	<10ms(Typical loads)
Waveform	Pure sine wave
Efficiency	>98%
Protection functions	Battery overvoltage protection, battery undervoltage protection, overload protection, short circuit protection, overtemperature protection, etc.

built in solar charge controller(adjust)

Max charge current	150A	180A	200A
Battery voltage	48V		
PV input voltage range	65V-250V		
Max PV input	7200W	8640W	9600W
Cooling method	Fans cooling		

environmental conditions

Operating temperature	0°C-40°C (Battery life decreases at ambient temperatures above 25 degrees Celsius)
Operation humidity	<95% (without condensing)
Operating altitude	<1000m(with increase of 100m, it will reduce output of 1%) max5000m
Noise	<58dB(distance to machine 1m)

Management

Display	LCD+LED
Computer communication interface	RS485(adjust)

*The above data is for reference. If there is any change, please refer to the real object.