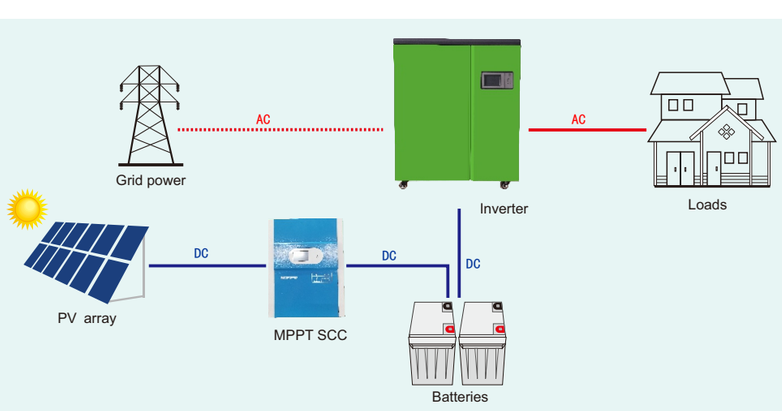
GT Series solar inverter

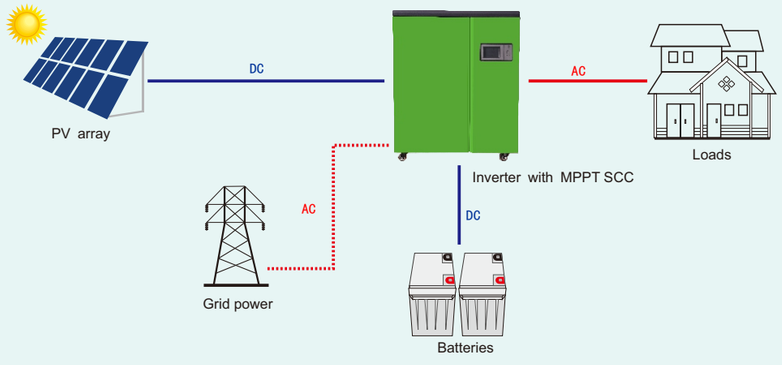
Product features

- MCU, SPWM control technology, pure sine wave;
- Unique dynamic current loop control technology;
- Applying to capacitive/inductive/nonlinear mixed load;
- Strong overload and impact resistance;
- Perfect protection function: overload, short circuit, over-temperature etc.
- High efficiency, low noise, environment protect and energy save;
- Automatic switching, unattended;
- Stable performance, safe and reliable, long lifespan;
- Communication: USB/SNMP/GSM SMS;

Application

Application diagram





Technical Parameters

Inverter mode	GT080	GT100	GT120	GT150	GT180	GT200	GT250	GT300
Inverter with controller mode	GTM080	GTM100	GTM120	GTM150	GTM180	GTM200		
Rated power	8KVA	10KVA	12KVA	15KVA	18KVA	20KVA	25KVA	30KVA
Battery voltage	96V/192V			192V/240V/360V			240V/360V	
Size:(L*W*Hmm)	580*370*730			740*400*930				
package size (L*W*Hmm)	650*420*840			820*480*1050				
N.W. (KG)	78	85	92	116	130	133	150	169
G.W.(KG)	90	97	104	132	146	149	166	185

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	50A	60A	100A	120A
Battery voltage	96V/192V	96V/192V	96V/192V	96V/192V
PV input voltage range	96V:145V-230V; 192V:260V-400V;			
Max PV input	96V:4800W 192V:9600W	96V:5760W 192V:11520W	96V:9600W 192V:19200W	96V:11520W 192V:23040W
Cooling method	Fans cooling			

environmental conditions

Operating temperature	0℃-40℃ （Battery life decreases at ambient temperatures above 25 degrees Celsius）
Operation humidity	<95%（without condesing）
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	RS232(adjust)

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