

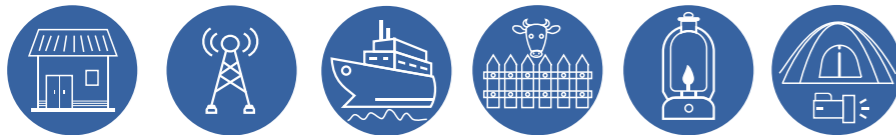
Apollo Series 1Phase IGBT Solar Power Inverter

Features

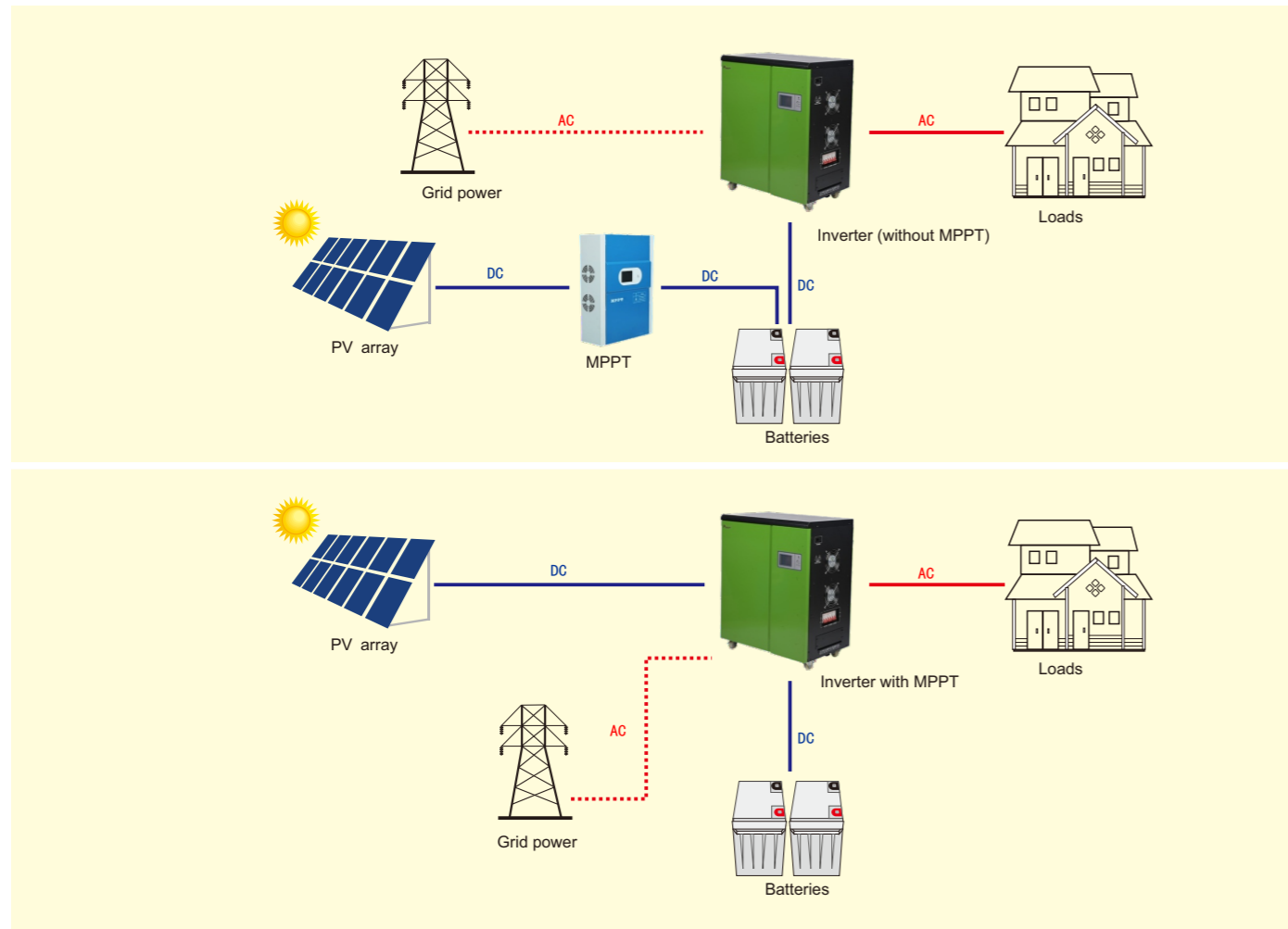
- IGBT design, pure sine wave
- MCU, SPWM control technology
- Unattended function, auto-switching
- Strong overload and impact resistance
- High efficiency, low noise, ECO friendly
- Communication: USB/SNMP/GSM SMS
- Unique dynamic current loop control technology
- Stable performance, safe and reliable, long lifespan
- Resistive /inductive /capacitive load or mixed load are compatible
- Protection:
Input low/over voltage, output low/over voltage, overload, short circuit, over- temp. and etc



Application



Application diagram



Technical Parameters

Inverter	Apollo10K	Apollo12K	Apollo15K	Apollo20K	Apollo25K	Apollo30K
Inverter with MPPT	Apollo10K(M)	Apollo12K(M)	Apollo15K(M)	Apollo20K(M)	Apollo25K(M)	Apollo30K(M)
Rated power	10KW	12KW	15KW	20KW	25KW	30KW
Battery voltage	96V/192V		192V		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)	71	79.5	87	111	121	133
G.W.(KG)	88	97	107	131	141	153

AC Input

Phase	L+N+G
AC input range	110V: 85-138VAC; 220V: 170-275VAC
Input frequency	45Hz~55Hz or 55Hz~65Hz

AC Output

Output voltage	inverter mode: 110VAC/220V±5%; AC mode: 110VAC/220VAC±10%;
Frequency range (AC mode)	Auto-detect
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;)
Crest ratio	3:1max
Transfer time	<10ms(Typical loads)
Waveform	Pure sine wave
Efficiency	>85%(80% resistive loads)
Protection functions	Battery overvoltage protection, battery undervoltage protection, overload protection, short circuit protection, overtemperature protection, etc.

Built in MPPT (IGBT based)

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°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
Communication	RS485(Optional)

*The specifications, dimensions and materials are subject to change without further notice.