



Melasta Solar Inverter



On/Off Grid In One Machine

Factory Address:
Zhongxingbao Industrial Zone, Qinghuan
Road, Qingxi District, Dongguan,
518109, China.

Melasta Solar Inverter



**HYBRID (MPPT + AC)
CHARGING CURRENT**

HIGH EFFICIENCY

LOW POWER CONSUMPTION

These series of inverters are Melasta solar inverter with built-in MPPT solar charge controller. Users can set battery charging mode, timing DC/AC mode to meet different requirements. This is high-end smart frequency inverter with built-in MPPT solar charge controller

Features:

- Easy to install and configure a solar system
- Smart frequency with best programming design, high stability
- Built-in MPPT solar controller with high charging efficiency
- Solar or AC first, AC charging current adjusted by buttons on display
- Unique design toroidal transformer, pure sine wave output, built-in AVR
- CPU management, intelligent control, modular design, LCD display
- Low power consumption, high conversion efficiency
- Strong loading ability, low failure rate, easy maintenance and long service life
- Smart charger function for 1kVA~ 5kVA (automatic recognition of proper charging current for battery)
- charging current function (total current of combination MPPT and AC charging can be set customized) (Optional)

Melasta Battery Co.,Ltd

Sales Office: Hesheng Industrial Zone, Dalang,
BaoAn District, Shenzhen, 518109, China .

Tel: +86-755-83693563

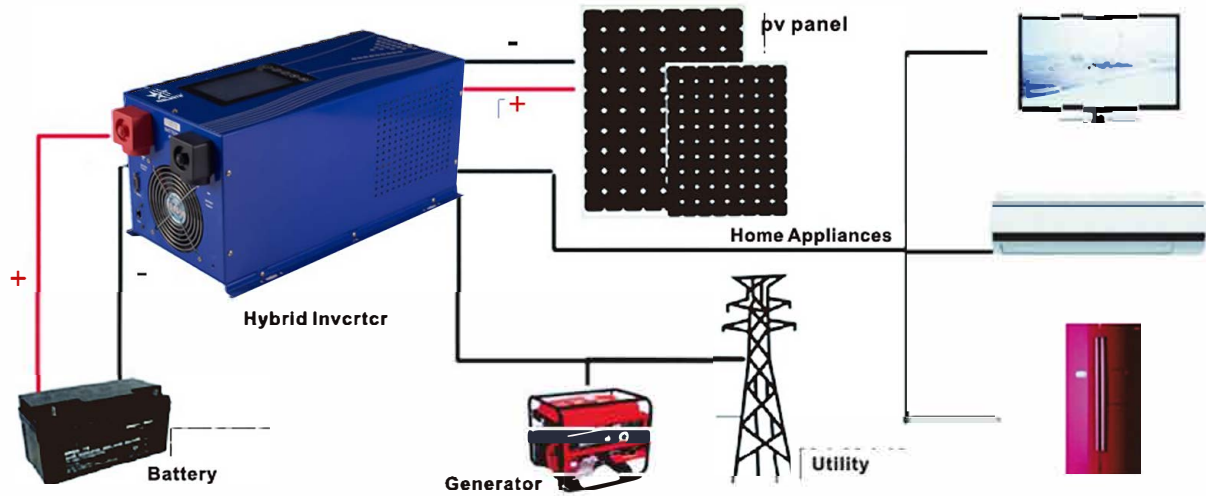
Fax: +86-755-28120114

[Http://www.melasta.com](http://www.melasta.com)

E-mail: sales@melasta.com

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Qingxi District, Dongguan, 518109, China .

Melasta Solar Inverter Connection



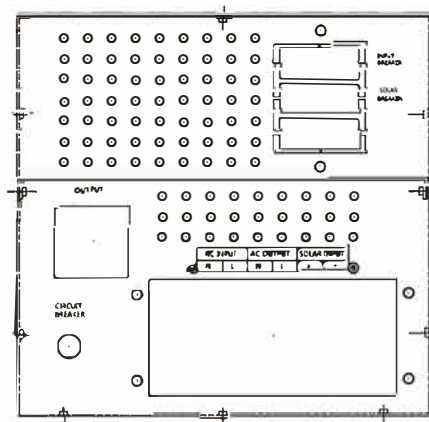
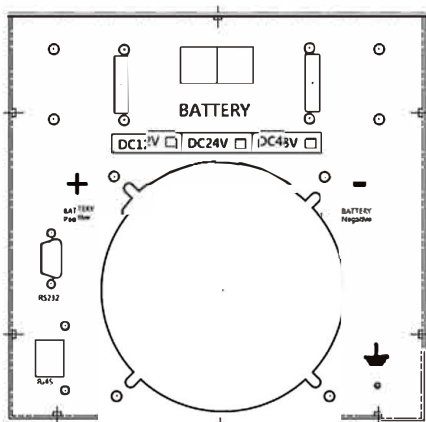
Big screen display



Normal LCD display



Panel



Melasta Solar Inverter

Parameter									
Series	1KVA	1.5KVA	2KVA	3KVA	4KVA	5KVA	8KVA	10KVA	
Rate Output Power	800W	1200W	1600W	2400W	3200W	4000W	6400W	8000W	
Capable of Starting Motor	500W	800W	1000W	1600W	2100W	2600W	4200W	5300W	
Surge Power	2400W	3600W	4800W	7200W	9600W	12KW	19.2KW	24KW	
Battery	12V/24V			24V/48V			48V/96V/192V		
Charging Mode									
Charging Mode (Setting)	PV charge								
	PV charge + Utility charge								
MPPT Solar Controller	Voltage	12V/24V			24V/48V		48V/96V/192V		
	Current	20A	25A	30A	50A				
	Max PV Input Voltage	72V/144V						144V/220V/460V	
	PV Charge Efficiency	95% - 99%							
Utility	AC Charge Current	Continuous charge current 1~50A(adjustable by button on display)							
AC Output									
AC Output	Voltage	220V ±3% or 230V ±3% or 110V ±3%							
	Frequency	50Hz ± 0.5 or 60Hz ± 0.5							
Output Wave Type		Pure sine wave output, Total Harmonic Distortion THD≤3%							
Overload Protection		> 120% 1min, > 130% 10s							
Transfer Time		1~5kVA: <4ms; 6~10kVA: <1.5ms (AC to DC / DC to AC)							
Power Consumption (Under Normal Working Mode)		≤ 1A							
Conversion Efficiency		85% - 92%							
AC Input									
AC Input		145V~275V or 72V~137V 50HZ or 60HZ							
Auto Bypass & AVR		YES							
AC Output		220V ±3% or 230V ±3% or 110V ±3%							
Output Mode setting									
Output Mode Setting	AC First Solar Standby								
	Solar First AC Standby								
General									
Communication Port		RS232/USB							
Humidity		0~90% relative humidity(non-condensing)							
Noise		<45dB							
Display Information		Input voltage, output voltage, output frequency, battery capacity, load condition, status information							
Protection		Overload, Short-circuit, High-voltage input, Low-voltage input, Overheat							
Size: W*D*H ((mm))		418*208*193.2			458*210*216		542.5*294*240.7		
Net Weight (kgs)		15.5	17.6	19.5	21.5	23.5	26.5	34.5	
The specification is only for reference. Subject to change without prior notice.									