



# ENERGY STORAGE SYSTEM (AN-MPSG-D SERIES)

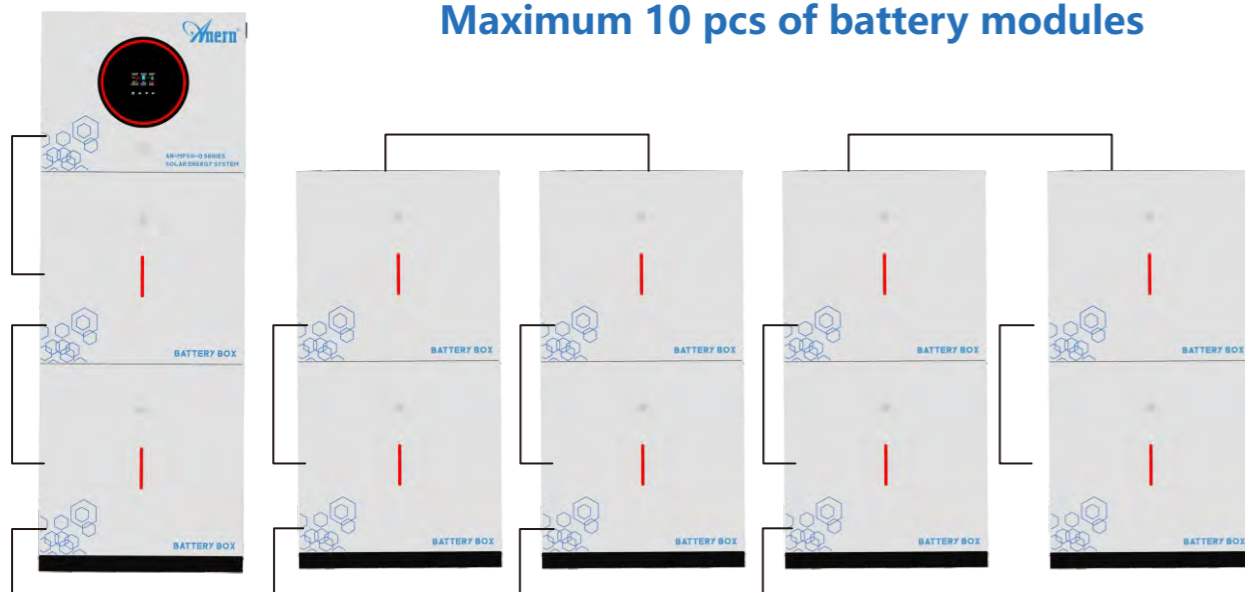


## Features of Module

- Pure Sine Wave Solar Hybrid Inverter;
- One-key restoring to factory default settings;
- With function of Lithium battery automatic activation by PV;
- Built-in MPPT solar controller, max charge current 160A;
- Max 6200W & 6500W & 10200W solar input power respectively;
- Wide PV input voltage range 4200W/6200W(60-450VDC), 10200W(90-450VDC);
- Built-in anti-dusk kit for harsh environment;
- Smart battery charge design to maximize battery lifespan;
- Dual MPPT PV Input (for 10200W), dual AC output;
- WIFI available for IOS and Android systems.



## Maximum 10 pcs of battery modules



Inverter Model	AN-MSPG-D4200	AN-MSPG-D6200	AN-MSPG-D10200
RATED POWER	4200W	6200W	10200W
Max PV Input Power	6200W	6500W	10800W
<b>GRID-TIED OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage/Max DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT DC Voltage Range	60-450VDC		90-450VDC
Number of MPPT Trackers/Max Input Current	18A	22A	2/18A
<b>GRID OUTPUT (AC)</b>			
Nominal AC Output Voltage	220/230/240VAC		
AC Output Voltage Range	195.5-253VAC		
Nominal AC Output Current	18.2A	27.0A	44.3A
Power Factor	> 0.99		
Feed-in Grid Frequency Range	49-51±1Hz / 59-61±1Hz		
<b>EFFICIENCY</b>			
Max Conversion Efficiency (Solar to AC)	98%		
<b>TWO LOADS OUTPUT POWER</b>			
Full Load	4200W	6200W	10200W
Max Main Load	4200W	6200W	10200W
Max Second Load (battery mode)	1400W	2067W	3400W
Main Load Cut Off Voltage	22VDC	44VDC	44VDC
Main Load Return Voltage	26VDC	52VDC	48VDC
<b>OFF-GRID OPERATION</b>			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable AC Input Voltage Range	90-280VAC or 170-280VAC		
Max AC Input Current	30A	40A	50A
Nominal Operating Frequency	50/60Hz		
Surge Power	8400W	12400W	20400W
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	94%		
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	24VDC	48VDC	48VDC
Max Charging Current(Solar to AC)	120A		160A
Max AC Charging Current	100A		160A
<b>GENERAL</b>			
Communication interface	WIFI		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C - 50°C		
Storage Temperature	-15°C - 60°C		
Dimension, D x W x H (mm)	400*510*175		450.5*510*175