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- Pure Sine Wave Solar Inverter;
- Built-in A Grade LiFePo4 lithium battery;
- Convenient and practical 5VDC-USB output port and 12VDC output port;
- Built-in MPPT solar controller, max charge current 100A (PV+AC);
- Wide PV input voltage range;
- Built-in anti-dusk kit for harsh environment;
- Smart battery charge design to maximize battery lifespan;
- Wall mounted and floor mounted installation for optional

MODEL	AN-MPSG-E1200	AN-MPSG-E1200P
Rated Output Power	1200W	1200W
Battery Capacity	1280WH	2560WH
AC Input		
Rated Input Voltage	208/220/230/240VAC; L+N+PE	
Voltage Range	90-280VAC(APP mode); 170~280VAC(UPS mode)	
Frequency	50/60Hz(Auto Adaptive)	
AC Output		
Rated Capacity	1.2KW (Output Power rating will be reduced to 90%, when setting the Output Voltage to 208V)	
Surge Power	2.4kVA	
Voltage	208/220/230/240	
Power Factor	1PF	
Frequency	50/60Hz±0.1%	
Switch Time	10ms (APP/UPS/GEN mode)	
Wave Form	Pure SineWave	
Overload Capacity (Battery Mode)	60s@102%~110%load; 10s@120%~200%load	
Maximum Efficiency(Battery Mode)	90%12VDC	
PV/AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Input Current/Power	18A/800W	
MPPT Range@Operating Voltage	17~115VDC	
PV Start-up Voltage	20VDC	
Maximum PV Open Circuit Voltage	115VDC	
Maximum PV Charge Current	50A	
Maximum AC Charge Current	50A	
Maximum Charge Current (PV+AC)	100A	
BATTERY		
Normal Voltage	12V	
Battery Type	LiFePO4 12.8V	
Capacity	100Ah	200Ah
Charging Current	≤50A	
Discharging Current	≤100A	
Charging Temperature	0°C~55°C	
Discharging Temperature	-20°C~60°C	
Storage Temperature	-30°C~60°C	
PHYSICAL		
Dimension, D xWx H(mm)	465x305x160mm	515x350x210mm
GENERAL DATA		
HMI	LCD	
Communication Port	Rs232	
Monitoring	NA	
USB Output	5V/2A x4	
DC Output	12V/2.5A x4	