

MODEL	G-EML1500-12L	G-EML3500-24L	G-EM3500-24L
CAPACITY	1.5KVA/1.5KW	3.5KVA/3.5KW	3.5KVA/3.5KW
Parallel Capability	NO	NO	NO
INPUT			
Nominal Voltage	230VAC		
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280vac(For Home Appliances)		
Frequency	50/60 Hz(Auto sensing)		
OUTPUT			
Nominal Voltage	220/230VAC±5%		
Surge Power	3000VA	7000VA	7000VA
Frequency	50/60Hz		
Waveform	Pure Sine wave		
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)		
Peak Efficiency(PV to INV)	96%		
Peak Efficiency(Battery to INV)	93%		
Overload Protection	5s@> =140% load; 10s@100%~140% load		
Crest Factor	3:1		
Admissible Power FACTOR	0.6~1 (inductive or capacitive)		
BATTERY			
Battery Voltage	12V	24VDC	24VDC
Floating Charge Voltage	13.5V	27.0VDC	27.0VDC
OverCharge Protection	14.1V	28.2VDC	28.2VDC
Charging Method	CC / CV		

Lithium Battery Activation	YES		
Lithium Battery Communication	YES(RS485)		
SOLAR CHARGER & AC CHARGER			
Solar Charger TYPE	MPPT		
Max.PV Array Power	1500W	1500W	4000W
Max.PV Array Open Circuit Voltage	160VDC	160VDC	500VDC
PV Array MPPT Voltage Range	30VDC~160VDC	30VDC~160VDC	60VDC-500VDC
Max.Solar Input Current	50A	50A	15A
Max.Solar Charge Current	60A	60A	100A
Max.AC Charge Current	80A	80A	80A
Max.Charge Current	120A	120A	100A
PHYSICAL			
Dimensions,D x W x H(mm)	358x295x100		
Package Dimensions,D x W x H(mm)	465x380x175		
Net Weight(Kg	6.00	7.00	7.00
Communication Interface	RS232/RS485		
ENVIRONMENT			
Operating Temperature Range	(-10℃ to 50℃)		
Storage temperature	(-15℃ ~ 50℃)		
Humidity	5% to 95% Relative Humidity (Non-condensing)		