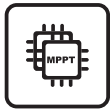


OFF GRID HYBRID INVERTER

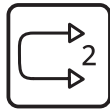
EMT Series 3.6/4.2/6.2/11KW PV 60-500Vdc



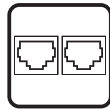
No Battery Mode



120A MPPT



Dual Outputs



RS232 RS485



Anti-shock
design terminal



PV 60-500Vdc



Lithium Battery
Activation

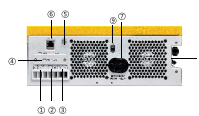


WiFi optional



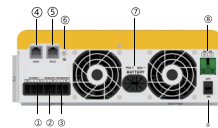
Features

- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT 120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Built-in Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle



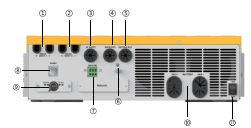
3.6KW

1. AC input
2. Main output
3. Second output
4. RS232 communication port
5. Grounding
6. RS485 communication port
7. Battery input
8. PV input
9. Power on / off switch



4.2/6.2KW

1. AC input
2. Main output
3. Second output
4. RS485 communication port
5. RS232 communication port
6. Grounding
7. Battery input
8. PV input
9. Power on / off switch



11KW

1. Solar input - 1
2. Solar input - 2
3. AC input
4. AC output
5. AC output
6. Grounding
7. Dry contact
8. RS485 communication port
9. Built-in WiFi
10. Battery input
11. Power on / off switch

Technical Data

MODEL	EM3600T-24L	EM4200T-24L	EM6200T-48L	EM11000T-48L
PHASE	1-Phase In /1-Phase Out			
Maximum PV Input Power	4000W	6200W	9000W	11000W
Maximum Main Output Power	3600VA/3600W	4200VA/4200W	6200VA/6200W	11000VA/11000W
Maximum Second Output Power	3600VA/3600W	4200VA/4200W	6200VA/6200W	5500VA/5500W
Maximum Total Output Power	3600VA/3600W	4200VA/4200W	6200VA/6200W	11000VA/11000W
Parallel Capability	NO	NO	NO	NO
Lithium Battery activation	YES (By PV or Utility)	YES (By PV or Utility)	YES(By PV or Utility)	YES (By PV or Utility)
Lithium Battery communication	YES(RS485)	YES(RS485)	YES(RS485)	YES(RS485)
WIFI	Optional			
AC INPUT				
Nominal Voltage	230VAC			
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)			
Frequency	50/60 Hz (Auto sensing)			
AC OUTPUT				
Nominal Voltage	220/230VAC±5%			
Surge Power	7200VA	8400VA	12400VA	22000VA
Frequency	50/60 Hz			
Waveform	Pure Sine wave			
Dual Outputs	Yes			
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)			
Peak Efficiency	94%			
Overload Protection	5s@ > =140% load; 10s@100%~140% load			
Admissible Power Factor	0.6~1 (inductive or capacitive)			
BATTERY				
Battery Voltage	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	27VDC	54VDC	54VDC
OverCharge Protection	33VDC	33VDC	63VDC	63VDC
Charging Method	CC/CV	CC/CV	CC/CV	CC/CV
SOLAR CHARGER & AC CHARGER				
Solar Charger TYPE	MPPT			
Max.PV Array Power	4000W	6200W	9000W	11000W
Max. PV Array Open Circuit Voltage	500VDC			
PV Array MPPT Voltage Range	30VDC~500VDC	60VDC~500VDC	60VDC~500VDC	60VDC~500VDC
Max. Solar Input Current	1 / 15A	1/27A	1/27A	2 / 27A
Max. Solar Charge Current	100A	120A	120A	160A
Max. AC Charge Current	80A	120A	120A	120A
Max. Charge Current	100A	120A	120A	160A
PHYSICAL				
Dimensions, D x W x H(mm)	371.8x327x106.2	371.8x342x116.5		540x403x122
Package Dimensions,D x W x H(mm)	470x388x180	478x408x195		637x495x214
Net Weight (Kgs)	6.7	7.9		14.8
Gross weight(Kgs)	7.5	8.9		15.6
Communication Interface	RS485(RJ45)/RS232(DB9)	RS485(RJ45)/RS232(RJ45)		Builtin WIFI version: RS485(RJ45)
ENVIRONMENT				
Operating Temperature Range	-10°C to 50°C			
Storage temperature	-15°C~ 60°C			
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Ingress Protection	IP21			

*Product specifications are subject to change without further notice.

Shenzhen SMK New Energy Technology Co.,Ltd

Factory Add: 7F, Building D-2-1,D-2-2,D-2-3, 6F, Building D-2-1, No.6, Xingyuan North Road, Starting Area, China-Korea Huizhou Industrial Park, Zhongkai District Huizhou City, Guangdong ,China

Office Add: Room 1301-1309,13 Floor of Zhenhua Times Square, No.21 Heping Road, Qinghua Community,Longhua Sub-district, Longhua district, Shenzhen,China.

Tel: +86-755 23768132

E-mail: info@smksolar.com

Whatsapp/Wechat: +86 135 2889 7663