

**M Series [PV 60-500Vdc]**

**8.5 / 11KW 220V / 230Vac Output**

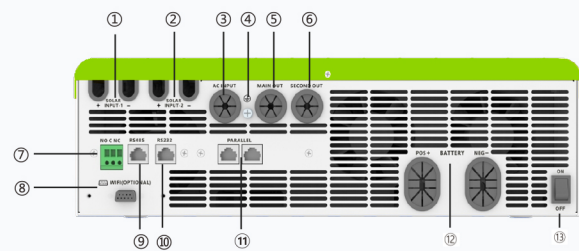


**Features**

- Dual AC output
- Built-in 2 MPPT
- Parallel max up to 6 units
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: SUB,SBU,SUF
- EQ function to optimize battery performance and extend lifecycle

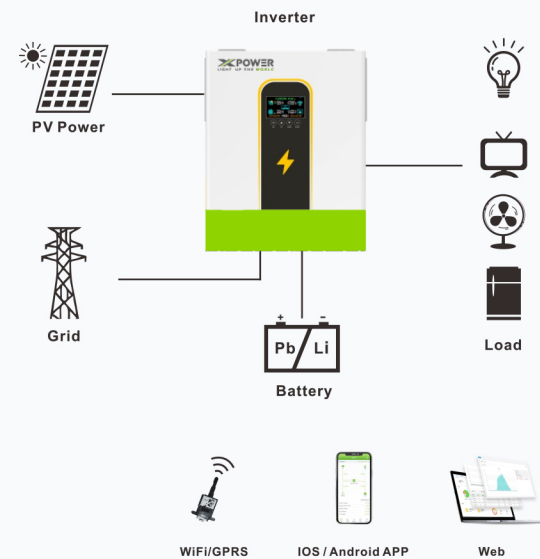


**Bottom view**

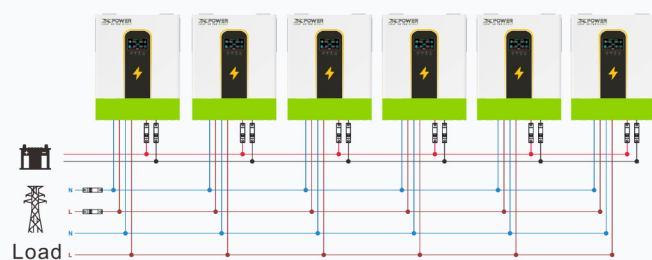


1. Solar input - 1
2. Solar input - 2
3. AC input
4. Grounding
5. AC Main output
6. AC Second output
7. Dry contact
8. WiFi (Optional)
9. RS485 communication port
10. RS232 communication port
11. Parallel
12. Battery input
13. Power on / off switch

**System Diagram**



**Parallel 6 Units Max**



**Technical Data**

MODEL	XM8500T-48PL	XM11000T-48PL
CAPACITY	8.5KVA/8.5KW	11KVA/11KW
Maximum PV Input Power	10KW	11KW
Twin AC Output Function	YES	YES
Maximum Main Output Power	8.5KVA/8.5KW	11KVA/11KW
Maximum Second Output Power	5KVA/5KW	5KVA/5KW
Maximum Total Output Power	8.5KVA/8.5KW	11KVA/11KW
Parallel Capability	YES, 6units	YES, 6units
Lithium Battery Communication	YES(RS485)	YES(RS485)
Lithium Battery Activation	YES( By PV or Utility)	YES( By PV or Utility)
<b>INPUT</b>		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
Frequency	50/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
Nominal Voltage	220/230/240VAC	
Surge Power	17000VA	22000VA
Frequency	50/60 Hz	
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@110%~140% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
Grid-tie Operation	NO	
<b>BATTERY</b>		
Battery Voltage	48VDC	48VDC
Maximum Discharge Current	180A	220A
Floating Charge Voltage	54VDC	54VDC
OverCharge Protection	63VDC	63VDC
Charging Method	CC/CV	CC/CV
<b>Solar Charger &amp; AC Charger</b>		
Solar Charger TYPE	MPPT	MPPT
Max.PV Array Power	5000W*2	5000W*2
Max. PV Array Open Circuit Voltage	500VDC	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC	60VDC~500VDC
Max. Solar Input Current	18A*2	18A*2
Max. Solar Charge Current	140A	160A
Max. AC Charge Current	120A	120A
Max. Charge Current	140A	160A
<b>PHYSICAL</b>		
Dimensions, D x W x H(mm)	540*415*122	540*415*122
Net Weight (Kgs)	14.5	15.5
Communication Interface	RS232/RS485/Dry-contact	RS232/RS485/Dry-contact
LCD	YES	YES
<b>ENVIRONMENT</b>		
Operating Temperature Range	-10°C to 55°C	
Storage temperature	-15°C~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	

Product specifications are subject to change without further notice.