

**M Series [PV 60-500Vdc]**  
**6.2KW 220V / 230Vac Output**

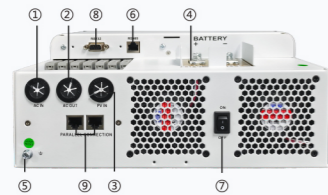


**Features**

- Compatible work with lifepo4 battery
- Parallel operation up to 12 units in 1phase or 3phase
- Direct Plug WIFI Dongle Supported - No additional cables required, just plug and play
- Pure sine wave
- Power factor 1.0
- PV input 500Vdc Max
- Built-in MPPT 120A
- 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

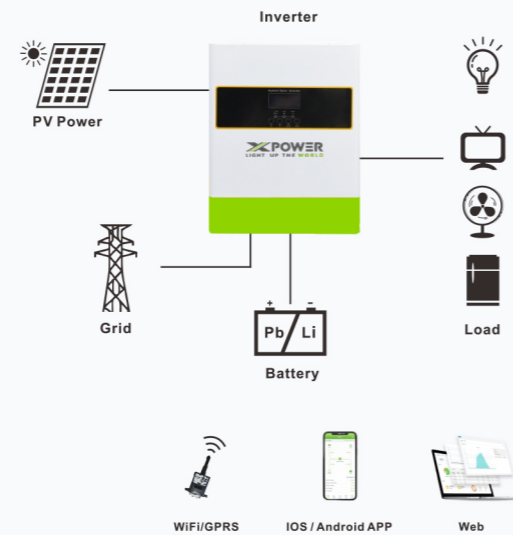


**Bottom view**

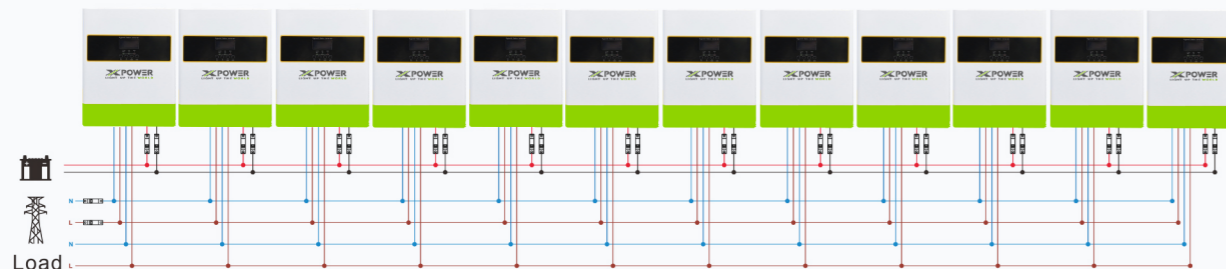


1. AC input
2. AC output
3. PV input
4. Battery input
5. Grounding
6. RS485 communication port
7. Power on/off switch
8. RS232 communication port
9. Parallel communication port

**System Diagram**



**Parallel 12 Units Max**



**Technical Data**

|                                       |  |
|---------------------------------------|--|
| <b>MODEL</b>                          | <b>XM6200-48PL</b>   |
| Capacity                              | 6.2KVA/6.2KW   |
| Parallel Capability                   | YES,12 Units   |
| Lithium battery activation            | YES( By PV or Utility)   |
| Lithium battery Communication         | YES(RS485)   |
| <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                       | 220/230VAC±5%  |
| Surge Power                           | 12400VA  |
| Frequency                             | 50/60Hz  |
| Waveform                              | Pure Sine wave   |
| Transfer Time                         | 10ms(For personal Computer);20ms(For Home Appliances)            |
| Peak Efficiency                       | 94%  |
| Overload Protection                   | 5s@>=140% load; 10s@110%~140% load                               |
| Crest Factor                          | 3:1  |
| Admissible Power Factor               | 0.6~1 ( inductive or capacitive)                                 |
| <b>BATTERY</b>                        |  |
| Battery Voltage                       | 48VDC  |
| Floating Charge Voltage               | 54VDC  |
| OverCharge Protection                 | 63VDC  |
| Charging Method                       | CC / CV  |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |  |
| Solar Charger Type                    | MPPT   |
| Max.PV Array Power                    | 6500W  |
| Max.PV Array Open Circuit Voltage     | 500VDC   |
| PV Array MPPT Voltage Range           | 60VDC~500VDC   |
| Max.Solar Input Current               | 27A  |
| Max.Solar Charge Current              | 120A   |
| Max.AC Charge Current                 | 80A  |
| Max.Charge Current                    | 120A   |
| <b>PHYSICAL</b>                       |  |
| Dimensions,D x W x H(mm)              | 450*300*130  |
| Package Dimensions,D x W x H(mm)      | 540x390x210  |
| Net Weight(Kg)                        | 12   |
| Communication Interface               | RS232 / RS485  |
| <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.