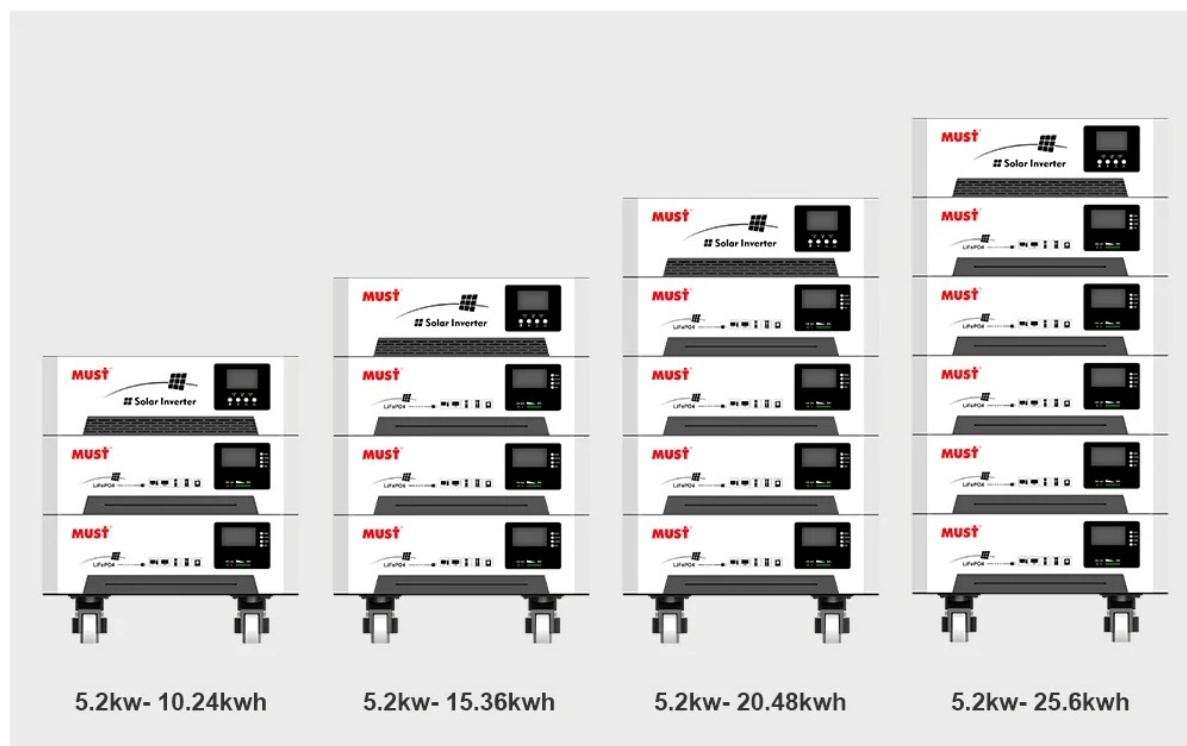


Features

- >> Stacked movable energy storage systems.
- >> Rechargeable lithium batteries use safe lithium cell LiFePO4.
- >> The intelligent BMS system adopts the latest battery communication system.
- >> Flexible investment with 5.12kWh modular design, scalable from 10.24kWh to 25.6kWh.
- >> The battery capacity can be increased freely and flexibly according to the situation of home use.
- >> Reduce electricity bills and increase your energy needs for electrical self-sufficiency.

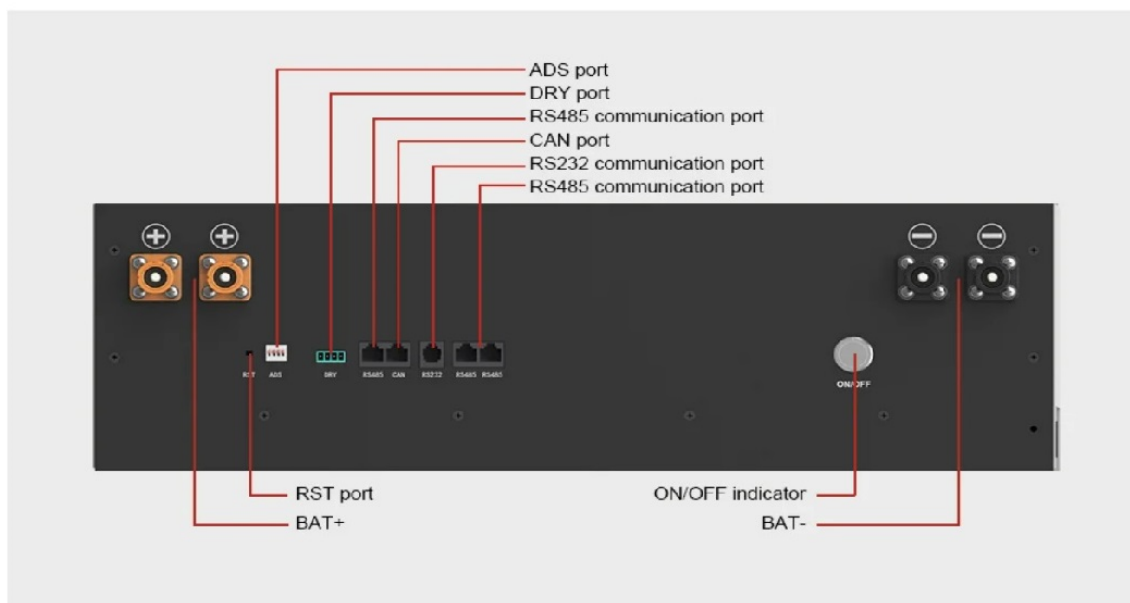
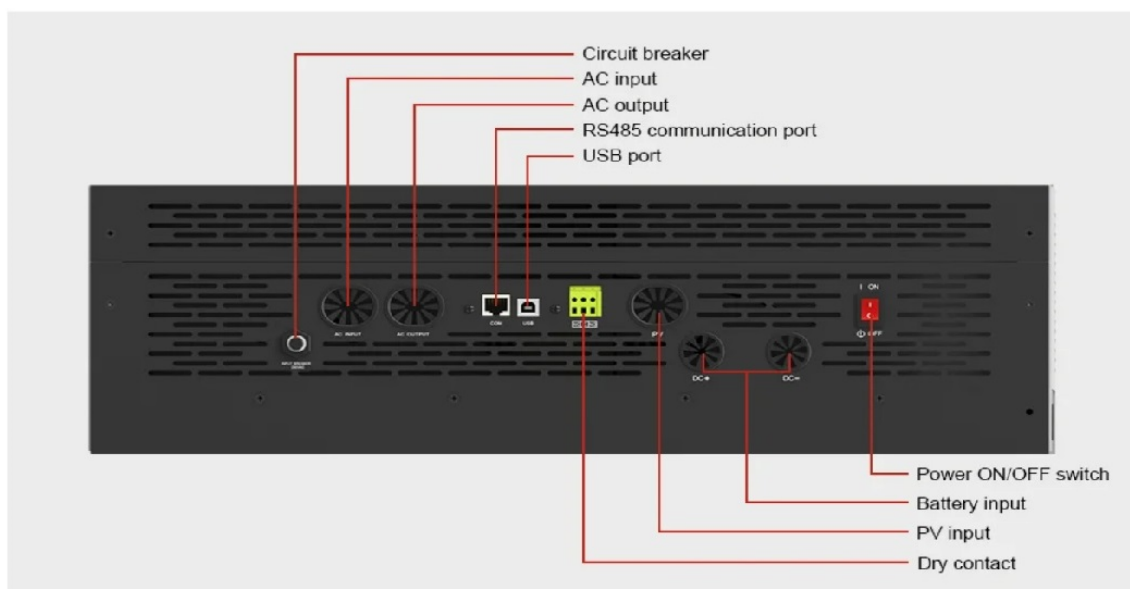
HBP1800 PRO SERIES MODEL



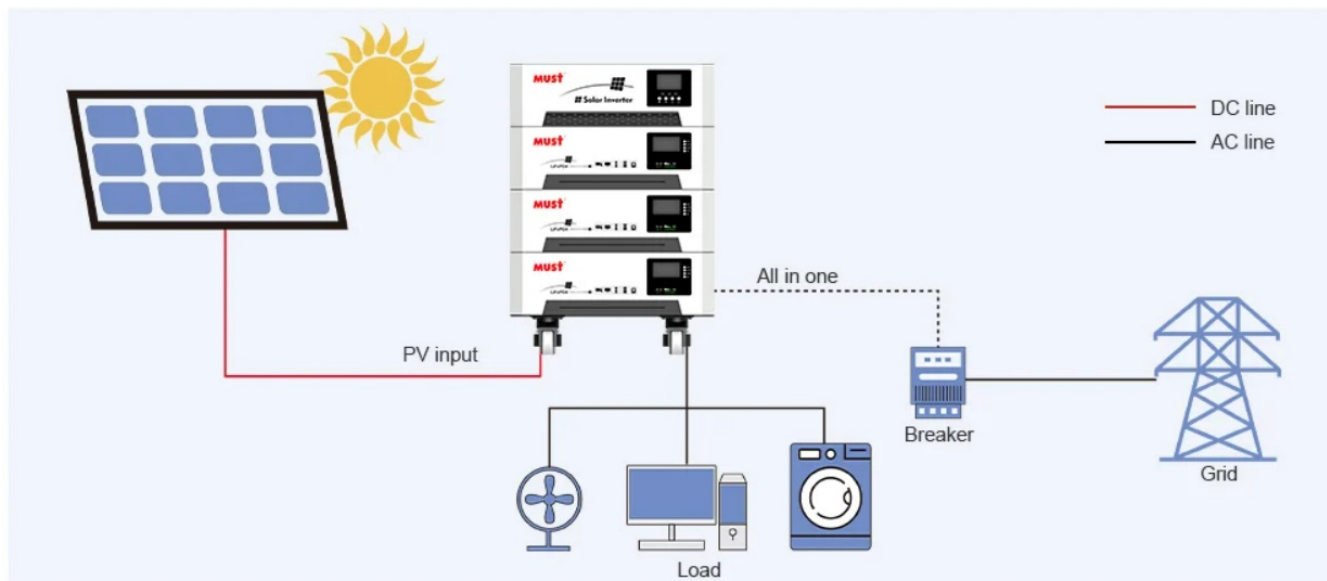
TECHNICAL DATA






| MODEL | HBP18-52482 PRO | HBP18-52483 PRO | HBP18-52484 PRO | HBP18-52485 PRO |
|---|---|-----------------|-----------------|-----------------|
| Inverter | | | | |
| Rated power | 5200W | | | |
| Output voltage waveform | Pure sine wave | | | |
| Output voltage regulation | 230Vac±5% | | | |
| Output frequency | 50Hz or 60Hz | | | |
| Peak efficiency | 93% | | | |
| Nominal DC input voltage | 48Vdc | | | |
| Standby Consumption | < 25W | | | |
| PV Input | | | | |
| Max solar power input | 6000W | | | |
| PV max charging current | 80A | | | |
| Combined charging current | 80A | | | |
| Max efficiency | 98.0% max | | | |
| PV array open circuit voltage | 450VDC | | | |
| PV Array MPPT Voltage Range | 150V-430VDC | | | |
| AC Input | | | | |
| AC input voltage | 230Vac ±5% | | | |
| Acceptable input voltage range | 170~280VAC | | | |
| Nominal input frequency | 50Hz / 60Hz (Auto detection) | | | |
| Transfer time | 10ms typical (UPS, VDE); 20ms typical (APL) | | | |
| AC Charge | | | | |
| Charging current @ Nominal input voltage | 60A | | | |
| Charging Algorithm | 4-step (Li) | | | |
| Output | | | | |
| AC output | 230Vac (Socket *4pcs) | | | |
| Lithium Battery | | | | |
| Energy | 10240Wh | 15360Wh | 20480Wh | 25600Wh |
| Nominal voltage | 51.2V | | | |
| Battery capacity | 200Ah | 300Ah | 400Ah | 500Ah |
| Standard charging and discharge current | 100A | | | |
| Maximum continuous charging & discharge current | 100A | | | |
| Operation ambient temperature | | | | |
| Charge | 0~45°C | | | |
| Discharge | -20~55°C | | | |

PRODUCT DETAIL



PRODUCT APPLICATION



| HBP1800 PRO |  Bulb Light (7W) |  Ceiling Light (36W) |  Fan (45W) |  TV (45W) |  Washing Machine (120W) |  Refrigerator (140W) |  Air Conditioner (1120W 1.5hp) |
|----------------|---|---|---|--|--|---|---|
| 5200W 10.24kWh | 60 days | 11 days | 9 days | 9 days | 85 hrs | 73 hrs | 9 hrs |
| 5200W 15.36kWh | 90 days | 16 days | 12 days | 12 days | 127 hrs | 108 hrs | 13 hrs |
| 5200W 20.48kWh | 120 days | 22 days | 18 days | 18 days | 170 hrs | 146 hrs | 18 hrs |
| 5200W 25.6kWh | 150 days | 27 days | 22 days | 22 days | 212 hrs | 182 hrs | 22 hrs |