# PV & BATTERY ENERGY STORAGE INTEGRATED MACHINE

## Product introduction >>

This series of products is a stacked all-in-one machine that integrates a hybrid inverterand an energy storaged battery.

Multiple application modes,high power density, plug-and-play, hidden wiring designare widely used in small commercial and home energy storage.

**Multiple application modes**
Three output modes; Four charging modes.

**Flexible combination method**
Stacked design;
Battery pack capacity expansion on demand.

**High security**
DSP control, advanced control algorithm;
Multiple safety warnings and protection.

**Smart and friendly**
Intelligent battery management system;
APP cloud real-time monitoring.

## Product parameter >>

| Model | SLW48-5.5K-10kWh | SLW48-5.5K-20kWh | SLW48-5.5K-30kWh |
|---|---|---|---|
| INVERTER OUTPUT | | | |
| Rated output power(W) | 5500 | | |
| Rated output powe(VA) | 5500 | | |
| Maximum peak power(W) | 11000 | | |
| Rated AC output | 230VAC  (Can be set200/208/220/240VAC,50/60Hz | | |
| Output Voltage Waveform | Pure Sine Wave | | |
| Inverter and Bypass Switching Time | 10ms  (typical) | | |
| Maximum Battery Inverter Efficiency | 93% | | |
| Overload Protection | 102%~110%, 5min; 110%~125%, 10s;  >125%, 2s | | |
| BATTERY | | | |
| Energy Capacity(kWh) | 10 | 20 | 30 |
| Battery Module Quantity | 1 | 2 | 3 |
| Rated Battery Voltage(VDC) | 48/51.2 | | |
| Battery Voltage Range(V) | 42~54.75/44.8~58.4 | | |
| Max.MPPT Charging Current(A) | 100 | | |
| Max.Mains Charging Current(A) | 60 | | |
| Maxi.Hybrid Charging Current(A) | 100 | | |
| PV CHARGING | | | |
| MPPT Quantity | 1 | | |
| Max. PV Array Power(W) | 5500 | | |
| Max. PV Input Current(A) | 22 | | |
| Max. Open Circuit Voltage(VDC) | 500 | | |
| MPPT Work Range(V) | 70~450 | | |
| MPPT Tracking Efficiency | 99.9% | | |
| MAINS INPUT | | | |
| Input Voltage Range(VAC) | 90~280/170~280 | | |
| Frequency Range(Hz) | 50/60±0.3 | | |
| SPECIFICATIONS | | | |
| Dimensions(W*D*H)mm | 250*690*850 | 250*690*1310 | 250*690*1770 |
| Weight(kg) | 125 | 225 | 325 |
| Classification of Waterproof | IP20 | | |
| OperatingTemperature Range(°C) | -10~55 | | |
| Storage Temperature Range(°C) | -25~60 | | |
| Noise(dB) | <60 | | |
| Heat Dissipation | Inverter forced air cooling  (variable speed of fan) / Battery natural air cooling | | |

Note: The above data is for reference and subject to change without prior notice.  Special voltages can be customized.

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