

## PowerTank 10K

This household energy storage system is designed to couple with photovoltaic generation by utilizing long lifetime environment-friendly lithium iron phosphate battery as electricity carrier with output power up to 10kWh as well as a flexible and efficient management system. Therefore, the electricity generated by the solar cells can be utilized under an off-line way, and also its redundant generation can be sold to the power grid to gain profit via an on-line mode. The facility is suitable for utilizations in houses with PV panels, small business buildings, office areas and some places where the price gap of peak and valley electricity is considerable.

### System Specifications

Product Name	Household Energy Storage System
Model Number	PowerTank 10K
Capacity	10KWh
Battery Type	LFP
Battery Capacity	200Ah
Battery Rated Voltage	51.2V
Off-grid Output	230VAC±2%, 50Hz (60Hz)
Maximum AC output current	50A
PV Input Voltage Range	DC125V-550V
PV Maximum input voltage	580V
Rated Output Power	5000W
Grid-Connected Phase	Single phase
Grid-Connected Voltage Range	230Vac 50/60Hz;180V-270Vac
Energy Efficiency	≥92%
Working Temperature	-10°C~55°C
Weight	65 kg
Installation Method	Floor Type



### Safety Technology

- Output overload protection;
- Output short-circuit protection;
- Battery over-temperature protection;
- Battery over-current protection;
- Battery over-charge protection;
- Battery over-discharge protection.

### Application Scenario

