

TL series lithium battery energy storage integrated cabinet

Products Features

- Power frequency, adapt to various types of loads;
- Toroidal transformer, low load loss;
- Perfect protection function, safe and reliable;
- Double function mode, more flexible for daily use;
- Choice of industry high-end lithium iron phosphate cell,
- low internal resistance, high rate, high safety, High cycle times,
- long service life, low comprehensive operation cost.
- Built-in MPPT controller, higher charging efficiency;

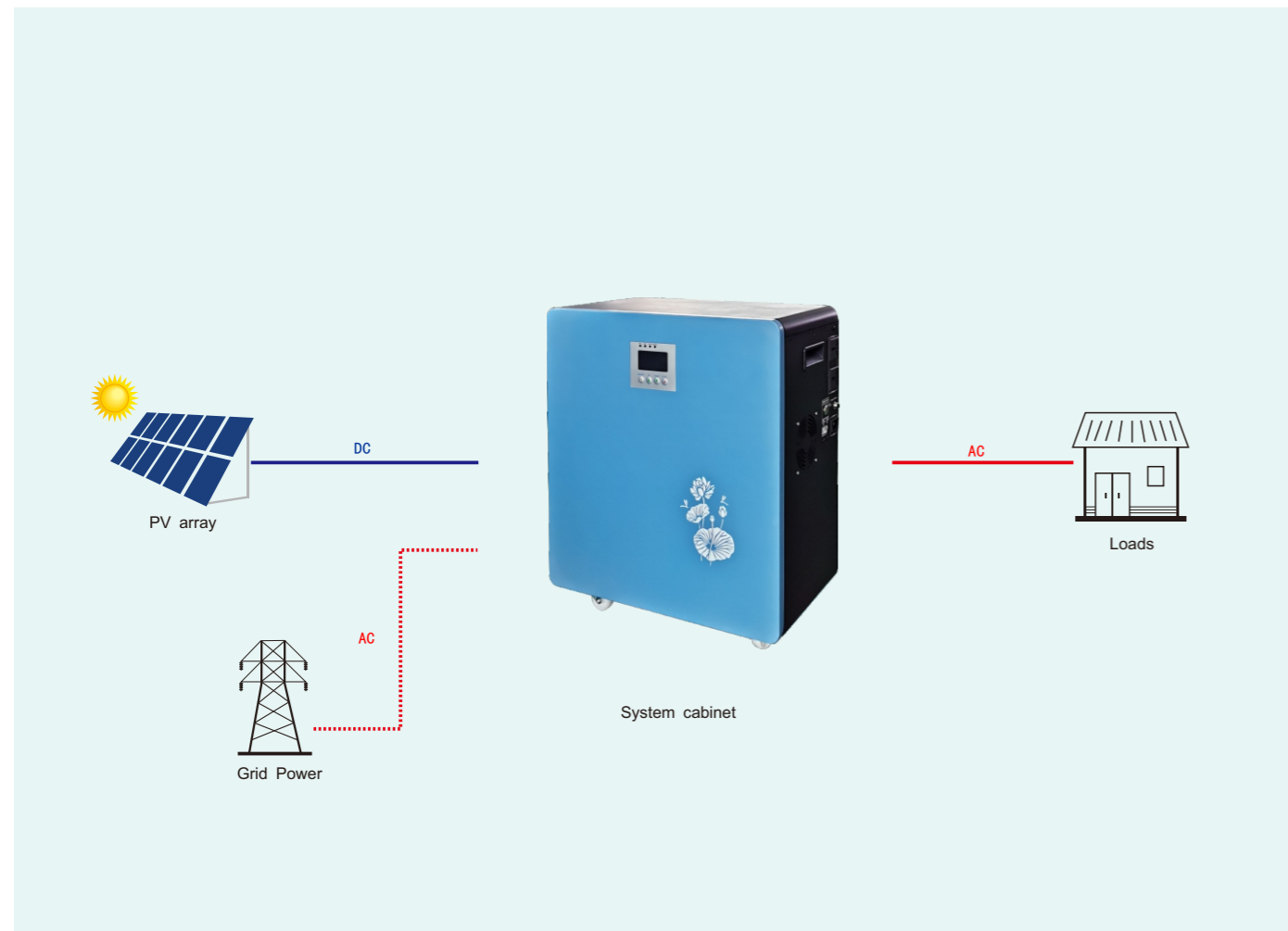


Application



Residential Base station Ship/Island Farm No electricity area Field equipment

Application diagram



Technical Parameters

Mode	TL300	TL500	TL800
Rated power	3000W	5000W	8000W
Battery voltage	48V		
Battery type	LiFePO4 Battery		
Battery capacity	48V60Ah 2.8KWh	48V100Ah 4.8KWh	48V200Ah 9.6KWh

Input

Phase	L+N+G
AC input range	110V: 85~138VAC; 220V: 170~275VAC
Input frequency	45Hz~55Hz

Output

Output voltage	inverter mode: 110VAC/220V±5%; AC mode: 110VAC/220VAC±10%;
Frequency range (AC mode)	Automatic tracking
Frequency range (inverter mode)	50Hz/60Hz±1%
Over load capacity	AC mode:(100%~110%:10min;110%~130%:1min;>130%:1s;) inverter mode:(100%~110%:30s;110%~130%:10s;>130%:1s;)
Peak current ratio	3:1max
Conversion time	<10ms(Typical loads)
Waveform	Pure sine wave
Efficiency	>98%
Protection functions	Battery overvoltage protection, battery undervoltage protection, overload protection, short circuit protection, overtemperature protection, etc.

built in solar charge controller(adjust)

Max charge current	40A	60A	100A
Battery voltage	48V	48V	48V
PV input voltage range	48V: 65V~150V		
Max PV input	1920W	2880W	4800W
Cooling method	Fans cooling		

environmental conditions

Operating temperature	0°C~40°C (Battery life decreases at ambient temperatures above 25 degrees Celsius)
Operation humidity	<95% (without condensing)
Operating altitude	<1000m(with increase of 100m, it will reduce output of 1%) max5000m
Noise	<58dB(distance to machine 1m)

Management

Display	LCD+LED
Computer communication interface	RS232(adjust)

*The above data is for reference. If there is any change, please refer to the real object.