

LSHE Residential BESS

RPI series

The LSHE RPI series is a state-of-art residential BESS designed for households able to dominate their home electricity use, with hybrid inverter integrated. It adopts high-performance lithium iron phosphate battery, with usage capacity expanded up to 40.96kWh .



RPI-LV510S



RPI-HV1020T



RPI-HV1225T



All-in-one Integrated Design

With battery, BMS, hybrid inverter, and control integrated design, highly compatible.



Safety Guaranteed

Aerosol fire suppression mechanism in battery module to ensure safety use.



Quick & Simple Installation

Simply stackable with easy wire connecting. installation less than 10 minutes, easy to move with adjustable universal wheels.



Aesthetic Exterior Design

Fit with your home decoration well with aesthetic and elegant design.



10 Years Warranty

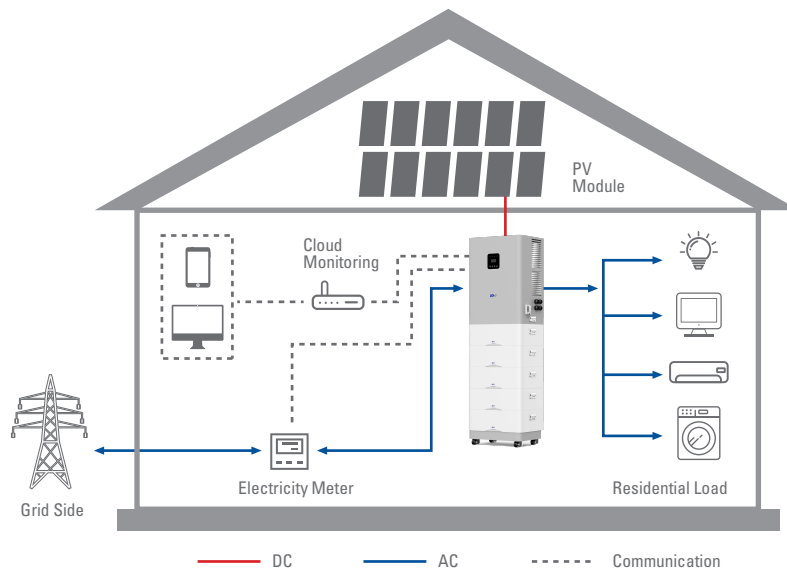
High level quality cells make 10 years warranty come true.



Smart Management System

Support LSHE APP/Web for monitoring and optimizing energy usage.

System Layout



Specifications

Model	RPI-LV510S	RPI-LV515S	RPI-LV520S	RPI-LV525S	RPI-HV1020T	RPI-HV1025T	RPI-HV1030T	RPI-HV1225T
Battery								
Each Battery Module Capacity	5.12kWh							
Battery Module Quantity	2	3	4	5	4	5	6	5
Nominal Battery Capacity	10.24kWh	15.36kWh	20.48kWh	25.6kWh	20.48kWh	25.6kWh	30.72kWh	25.6kWh
Rated Voltage	51.2Vdc				204.8Vdc	256Vdc	307.2Vdc	256Vdc
Voltage Range	44.8~57.6Vdc				179.2~230.4Vdc	224~288Vdc	268.8~345.6Vdc	208~292Vdc
Cycle Time	6000							
Charge/Discharge Rate	0.5C							
PV								
Max. PV Input Power	5kW				15kW	15kW	15kW	18kW
Number of MPPT	1				2			
MPPT Voltage Range	64~130Vdc				180-850Vdc			
Max. PV Voltage	145Vdc				1000Vdc			
Max. Input Current	80A				2x13A			
AC Output								
Rated Grid Voltage	230Vac				230/400Vac			
Rated Grid Frequency	50/60Hz							
Rated Output Power	5kW				10kW	10kW	10kW	12kW
Max. Output Current					15.9A	15.9A	15.9A	19.1A
THD/ Power Factor	< 3%/0.8							
AC Output (Back-Up)								
Rated Output Voltage	230Vac				230/400Vac			
Related Frequency	50/60Hz							
Max. Output Power					11kW	11kW	11kW	13.2kW
Max. Output Current					15.9A	15.9A	15.9A	19.1A
THD	< 2%							
Environment Limit								
Protection Class	IP20							
Operating Temperature	-15°C~55°C							
Environment Humidity	0~95							
Altitude	≤2000m							
General Data								
Communication	RS485/CAN/DRM, 4G/WIFI Optional							
Dimensions (LxDxH)	600x420x1130mm	600x420x1330mm	600x420x1530mm	600x420x1730mm	600x420x1750mm	600x420x1950mm	600x420x2150mm	600x420x1950mm
Weight	164Kg	218Kg	272Kg	326Kg	299Kg	353Kg	407Kg	353Kg
Certificate								
Battery	IEC62619, IEC62477, IEC61000, UN38.3, MSDS				IEC62619, IEC62477, IEC61000, UN38.3 MSDS			
Grid-Connected	/				VDE4105, EN50549, G99			

* As solution provider, LSHE provides integrated solutions including solar panel, inverter and BESS for household, please contact us for details.