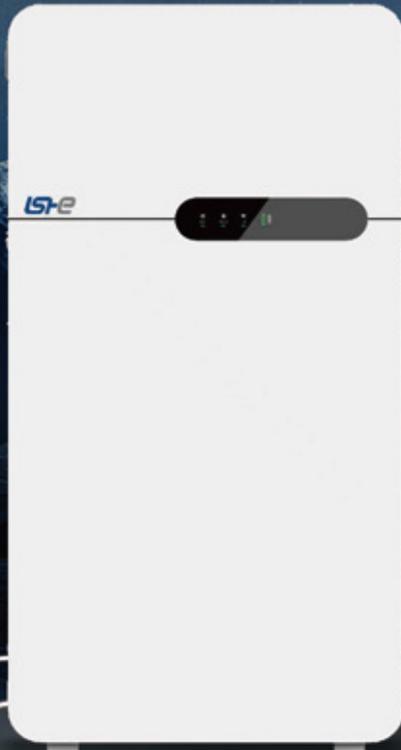




A Small Price to Pay A Big Step to Energy Independence

New Energy Amazing World

All-in-One Residential BESS
RPI-LVA610S



CATL + GOODWE

RPI-LVA610S

Energy Hulk

24/7 Outage Protection

10.24kWh

 AC (1000W)	10h
 TV (250W)	42h
 Refrigerator (200W)	53h

RPI-LVA610S is a compact, all-in-one ESS integrating battery packs, BMS, PCS, controls, etc. With easy installation and a minimalist design, it complements a variety of home styles and solar systems. Customize our all-in-one system to power your facility-with or without solar and lower your energy bills from day one.

Cabinet Enclosure
IP65 Rating
Waterproof and dustproof

Smart Display
Operation status at a glance

Intelligent Air Switch
Battery over-discharge protection. Automatic reset after troubleshooting

BMS
Self-developed digital intelligent battery management system



PCS
Ultra-fast response. Start backup power seamlessly within 10ms

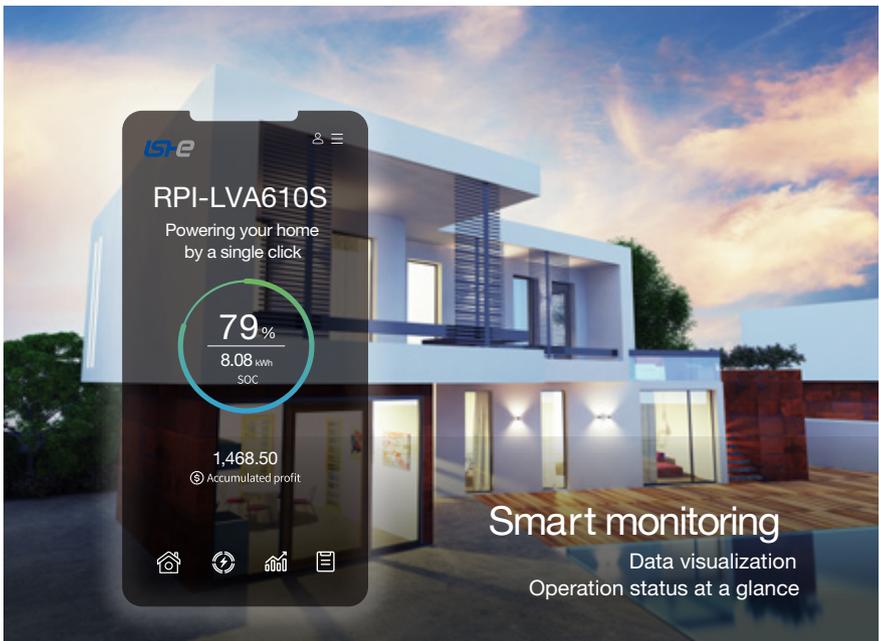
Battery Pack
High-performance LFP cells, safe and reliable

Battery Protection Board
Strengthening protection rating



Global Certifications

Successfully certified in main global markets, complying with IEC, UL, CE, UN38.3, etc.

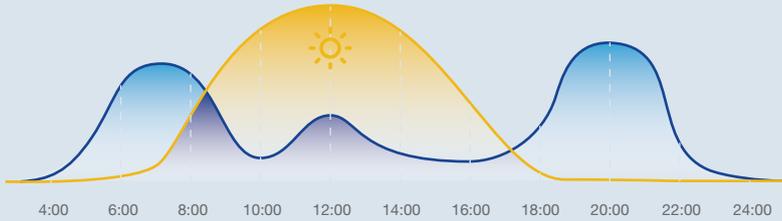


24/7
Monitoring

New Pattern for Green Energy Utilization

Solar + storage AIO system ensures sufficient self-utilization; peak-valley arbitrage cuts electricity bills

-  PV self-utilization
-  PV generation
-  Battery discharge
-  Energy consumption curve
-  Sunlight curve



-  Discharge from battery to meet your electricity usage during nights & early mornings
-  PV generation meets your electricity usage during days
-  Keep appliances running seamlessly during an outage
-  Ensure power stays on under severe weather

Residential ESS Solutions

World-leading residential smart energy solutions, green, digital, smart.....
LSHE brings amazing new energy life for global families!



Specification

Model		RPI-LVA610S	
General Data			
Dimensions (W*D*H)(mm)	700*212*1320(±5)	Operating Condition	Indoors/outdoors
Weight(kg)	141(±1.5)	Operating Temperature(°C)	Charge: 0°C~55°C; Discharge: -20°C~55°C
Protective Class	I	Cycle life	≥6000times(@25±2°C, I 0.5C / 0.5C, 100%DOD, 70%EOL)
IP Rating	IP 65	Certification	IEC62619, IEC61000, IEC63056, IEC62109,RED, UN38.3
Battery Input Data			
Cell type	LFP	Battery Number	1FP/50/160/120/ [2P16S]E/0+50/90
Rated Voltage(V)	d.c.51.2 (25°C±2°C)	Standard charging current(A)	100
Rated Energy(kWh)	10.24	Standard discharging current(A)	100
Voltage Range(V)	44.8~57.6	Rated Capacity(Ah)	200
PV String Input Data			
Max. Input Power (W)*1	9000	Start-up Voltage (V)	58
Max. Input Voltage (V)	600	Normal DC Input Voltage (V)	360
MPPT Operating Voltage Range (V)	60~550	Number of MPP Trackers	2
Max. Input Current per MPPT(A)	16	Number of Strings per MPPT	1
Max. Short Circuit Current per MPPT (A)	23		
AC Output Data (Back-Up)			
Max. Output Current (A)	27.3	Max.Output Apparent Power (VA)	6000
Nominal Output Voltage (V)	220/230/240	Back-Up Nominal Apparent Power(VA)	6000
Nominal Output Frequency (Hz)	50/60	Output THDv (@Linear Load)	<3%
AC Output Data (On-Grid)			
Max. AC Current Output to Utility Grid (A)	27.3	Max. Apparent Power Output to Utility Grid (VA)	6000*2
Max. AC Current From Utility Grid (A)	43.5	Max. Apparent Power from Utility Grid (VA)	10000
Nominal Output Voltage (V)	220/230/240	Max. Total Harmonic Distortion	<3%
Nominal AC Grid Frequency(HZ)	50/60	Power Factor	~1(Adjustable from 0.8 leading to 0.8 Lagging)
Nominal Apparent Power Output to Utility Grid (VA)	6000*2		

The above parameters are subject to change without further notice, and the actual product shall prevail



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