

LeoEco Stackable Power System (HV)

LFELI307100H-ESS30 307V100A



High Efficiency

Max. efficiency 100%



Easy installation

45 Kg Battery modules



Safe and Reliable

Lithium iron phosphate
battery cells



Perfect Compatibility

Work with leading branded inverters

Product Introduction



Scalable from 5 kWh to 30 kWh



Self-Consumption Optimization



The motherboard intelligently ADAPTS to voltage and supports up to 6 batteries in series



Integrated with inverter to avoid the compatibility problem



LFP battery, safest and long cycle life



Stackable design, effortlessly installation



High voltage solution makes higher conversion energy efficiency.



Support 3 Phase Output

⚡ Battery Module

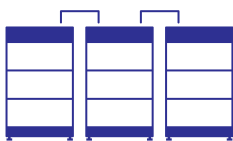
- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Main board self-adjustable to voltage

Flexible, Efficient, Simple



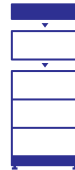
Plug Connection

No Additional Wiring Required



5-60KWH

Tailored Sizing for Each Application



Extend Anytime

Easily Adapts to New Requirements



High Power

Power for Every Application

Technical Parameters

Item	Parameters		
Maximum Photovoltaic Input power	15KW		
Rated Photovoltaic DC input voltage	620V		
MPPT operating voltage range	200-950V		
MPPT Quantity	2		
Maximum Photovoltaic Input Current	15A/15A		
Rated Output Power to Grid	10KW		
Rated Voltage	3L/N/PE; 220/380V;230/400V;240/415V		
Frequency of Grid	50/60Hz		
Maximum Output Current to Grid	16.5A		
Battery Voltage Range	135-750V		
Maximum Battery Charge/Discharge Current	25A/25A		
Rated Output Power to Load	10KW		
Rated output voltage to Load	3L/N/PE; 220/380V;230/400V;240/415V		
Maximum Output Current to Load	16.5A		
Battery Module	LE020	LE025	LE030
Usable Energy (kWh)*1	20.45	25.6	30.72
Number of Modules	4	5	6
Cell Type	LFP(LiFePO4)		
Nominal Voltage (V)	204.8	256	307.2
Operating Voltage Range (V)	179.2~233.6	224~292	268.8~350.4
Nominal Dis- / Charge Current (A)*2	50		
Operating Temperature Range (°C)	Charge: 0°C ~ +50°C; Discharge: -10°C ~ +50°C		
Communication	CAN/RS485		
Weight (kg)	186	238	290
Dimensions (W × H × D mm)	1000*360*820	1000*360*1020	1000*360*1220
Ingress Protection Rating	IP55		
Round-Trip Efficiency	≥95%		
Applications	on/off-grid energy storage/off-grid power backup		