

LeoEco Stackable Power System (LV)

LFELI48100H-DJ-ESS20



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 60 kWh



Self-Consumption Optimization



Maximum Flexibility for any Applications with up to 12 Modules Connected in Parallel



Integrated with inverter to avoid the compatibility problem



LFP battery, safest and long cycle life



Stackable design, effortlessly installation



Capable of High-Powered Emergency-Backup and Off-Grid Function

[⚡] Battery Module

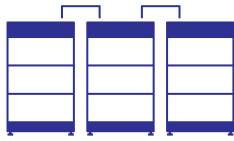
- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Connect up to 12 module in parallel for a maximum size of 60 kWh.

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					
Rated Power	5600W					
Maximum PV Array Open Circuit voltage	500VDC					
MPPT Range	120-450V					
Nomial Output Voltage	220/230/240VAC					
Output Voltage Range	184-265VAC					
Nomial Output Current	25.5A/24.3A/23.3A					
Efficiency	Up to 93.5%					
Grid Input Voltage Range	120-280VAC					
Grid Frequency Range	50/60Hz(Auto Sensing)					
Maximum AC Charge Current	120A					
Maximum Solar Charge Current	120A					
Nominal DC Voltage	48VDC					
Battery Module	LFELI48100H-DJ-ESS20					
Number of Modules	1	2	3	4	5	6
Usable Energy [1]	5 kwh	10 kwh	15 kwh	20 kwh	25 kwh	30 kwh
Max Cont. Output Current [2]	100 A	100 A	100 A	100 A	100 A	100 A
Nominal Voltage	51.2 V					
Operating Voltage	43.2-58.4 V					
Operating Temperature	-10°C to +50°C					
Battery Cell Technology	Lithium Iron Phosphate					
Communication	CAN / RS485					
Enclosure Protection Rating	IP55					
Round-Trip Efficiency	95%					
Scalability [3]	Max. 12 Modules in Parallel (60 kWh)					
	UN38.3					
Applications	on/off-grid energy storage/off-grid power backup					