LeoEco Stackable Power System (LV)
LFELI48100H-DJ-ESS020-US

LEOCH ®
LEOCH BATTERY

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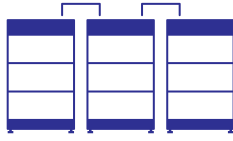- Capable of High-Powered Emergency-Backup and Off-Grid Function

⚡ Battery Module

- 5.12 kWh per Module
- Modular and Stack Installation Design to simplify the maintenance
- Connect up to 64 module in parallel for a maximum size of 320 kWh.

Home Energy Storage (Stackble Battery)

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					
PV Input						
Max.DC input Power	12KW					
No. MPPT Tracker	4					
MPPT Range	120-500V					
MAX.DC input Volatage	500V					
Battery Input Data						
Battery voltage Range	40-60V					
MAX.Charging/Discharging Current	190A/190A					
Nominal Voltage(VDC)	48V					
AC Output Data(On-Grid)						
Nominal Output Power to Gird	8KVA					
Output Voltage Range	110-120/220-240 split phase					
Output Frequency	50/60Hz					
General Data						
Size:	766*566*308mm					
Weight	60KG					
Ingress Protection	IP65					
Operating Temperature Range	-25~+60°C					
Battery Module	**LFELI48100H-DJ-ESS020-US**					
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. 64 Modules in Parallel (320 kWh)					
Certificate	UN38.3					
Applications	ON Grid + Backup / OFF Grid					