

# ELF5.12-PH

ELF5.12-PH is suitable for residential and small commercial and industrial scenarios, with up to 15 units in parallel and an energy range from 5.12 kWh to 76.8 kWh. High cycle times and security ensure users' electricity freedom and safety



Wall Mount



Rack/Cabinet Installation



## Flexible Expansion

Up to 15 units in parallel,  
5.12kWh--76.8kWh capacity  
Support ODM to 50units = 256kWh



## 1C Discharge

Simultaneously supplying power to  
multiple loads, no need to worry  
about power outages



## Automatic Self-heating

-20°C to 55°C operating tem-  
perature (optional)



## Ultra Safe

Intelligent fire extinguishing  
system, detects and extin-  
guishes a fire in 5s(optional)



## Easy Installation

Support wall-mounted,  
floor-mounted installations,  
high space utilization



## Smart Management

Real-time system monitoring,  
remote control, OTA updates

Model	ELF5.12-PH
Battery Type	LiFePO <sub>4</sub>
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommended Charge & Discharge C Rate	0.5C
Maximum Discharge C Rate	1C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	100A@2min
Depth of Discharge (DOD)	95%
Net Weight	46kg
Dimension[W/D/H]	450/505/175 mm
Charging Temp. Range	-20~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
WIFI Module	Built-in Bluetooth module; APP OTA function
Cycle Life*	≥ 5 years
Protection Level	IP20
Active fire protection system	Optional Aerosol fire extinguisher
Expansion	Up to 15 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CE-RED
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

\* Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD