

EU-HV-716V100Ah

Specification



Product Introduction

Modular LiFePO₄ battery system for high-voltage use. Advanced BMS, natural cooling, and intelligent management ensure safety, reliability, and efficiency. Rapid deployment and cost-effective, ideal for residential and commercial energy storage.

Product Features



Flexible Expansion

Supports 3-7 modules in series.



OTA Remote Upgrades

Simplifies updates and maintenance.



Parallel Support

Connects up to 6 clusters for higher capacity.



Wi-Fi Monitoring

Remote access with plug-and-play installation.



Auto Master-Slave Detection

No DIP settings needed.



Cloud-Based BMS

Real-time balancing ensures 10+ years of reliability.



No Combiner Box Needed

Reduces costs when connecting multiple clusters.



Advanced BMS Algorithms

Accurate SOC calculation for peak performance.

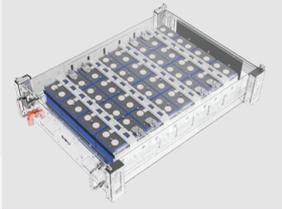


1C Charge/Discharge

Efficient, safe energy flow.

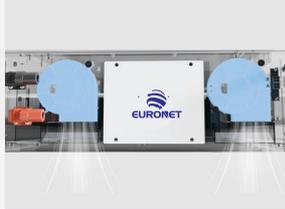
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Energy storage system



Optimized structural safety

A+ quality EVE cell, 6000 cycles at 90% DOD End-plate technology



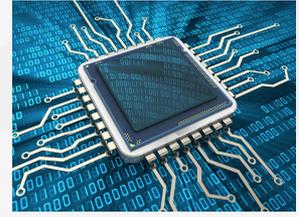
Air-cooled design

Built-in high-volume turbo fan covers, strong cooling performance



Quick connector Design

Plug-in cable design for easy installation



Full-time equalization BMS

Synchronized intelligent regulation of cell voltage at any time condition and temperature

Product Model

EU-HV-716V100Ah

Basic Parameters

Energy	10.24kWh
Nominal Voltage	102.4Vdc
Nominal Capacity	100Ah
Voltage Range	89.6-115.2Vdc
Depth Of Discharge	90%
Dimension	745*517*153mm
Protection Grade	IP20
Net Weight	75kg
Operation Temperature	0-50°C
Storage Temperature	-20~60°C



High-Voltage-Battery cluster control box



Product Model	HV-EU 1000VDC100A
Basic Parameters	Magic71
Related Product	200-1000Vdc
Controller Working Voltage	200-1000Vdc
System Operation Voltage	100A(Max.)
Charge/Discharge Current	30W
Self-Consumption Power	745*517*240mm
Dimension	Modbus RTU/CAN
Communication	IP20
Protection Grade	25kg
Net Weight	0-50°C
Operation Temperature	-20~60°C
Storage Temperature	

EU-HV-716V100Ah

Function Parameters

Product Model	EU-HV-716V100Ah
Nominal Energy	10.24*n kWh
Battery System Voltage	102.4*n Vdc
Battery System Capacity	100Ah
Battery Module	HV-716V100Ah
Battery Module Energy	10.24kWh
Battery Modules Qty.	2-7 (Optional)
Battery System Charge Upper-Voltage	115.2*n Vdc
Charge/Discharge Current(Standard)	50A
Charge/Discharge Current(Normal)	80A
Charge/Discharge Current(Max.)	100A
Battery System Discharge lower-Voltage	89.6*n Vdc
Efficiency	98%
Depth Of Discharge	90%
Dimension	755*527*1660*N(N≤7)
Communication	Modbus RTU/CAN
Net Weight	100kg+75*n kg
Operation Life	10+years
Operation Temperature	10~40°C
Storage Temperature	-20~60°C
Humidity	5%~95%
Altitude	<2000m
Cycle Life	25±2°C/0.2C/80% DOD≥7000
Parallel CAN	yes≤4
<p>Note: The parallel operation of 2 clusters of batteries allows a maximum current charge and discharge of 1C, the parallel operation of 3 clusters of batteries allows a maximum current charge and discharge of 0.8C, and the parallel operation of 4 clusters of batteries allows a maximum current charge and discharge of 0.7C; if the number of parallel battery clusters is > 4, You must contact our company's technical personnel for communication and confirmation before upgrading and guiding the operation and paralleling.</p>	