



Lithium-ion(LiFeP04) Battery For Solar Energy Storage



**Low Voltage and High Voltage Battery Solutions for
Residential and Commercial Applications**

www.quarelex.com

Powered by Enerri Energy Group



* Outlook of the product may be subject to change without notice during product improving.

EH Series Low Voltage LiFePO₄ Batteries 5.12kWh - 16.08kWh (Customizable)

- Grade A New Prismatic LiFePO₄ Cells
- Scalable up to 15 units in parallel of up to max 241kWh energy capacity
- Patented BMS with full protection
- Wide compatibility with 20+ leading inverter brands
- Lifespan up to 6000 cycles, 10+ years
- Energy efficiency up to 98%, DOD up to 90%

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Specifications

Item	EH100	EH200	EH314
Rated Energy	5.12 kWh	10.24 kWh	16.08 kWh
Usable Energy	4.608 kWh	9.216 kWh	14.47 kWh
Rated Voltage	51.2V	51.2V	51.2V
Operating Voltage	48~56V	48~56V	48~56V
Nominal Capacity	100Ah	200Ah	314Ah
Cell Type	LiFePO4	LiFePO4	LiFePO4
Cell Configuration	16S	16S	16S
Depth of Discharge (DOD)	90%	90%	90%
Max Charge Current	50A	100A	200A
Max Charge Voltage	58.4V	58.4V	58.4V
Max Discharge Current*	100A	100A	200A
Max Power Output	5KW	5KW	10KW
Weight	50 Kg	90 Kg	110 Kg
Dimensions (W × D × H)	590 x 410 x 145 mm	850 x 466 x 145 mm	850 x 420 x 230 mm
Communication	CAN/RS485		
Cycle Life	6000 cycles @0.2C 25°C 80%DOD		
Operating Temperature	Charge: 0~50°C/Discharge: -20~50°C/Storage:-20~45°C		
Humidity	≤90%		
Operating Altitude	≤2000m		
Protection	Over Temperature, Over Current, Over voltage, Short Circuit, Over-charging, Over-discharging, Low Voltage		
Certification	CE, UN38.3, MSDS		
Warranty	5 Years(10 years optional)		
Compatible Inverters	Deye, Growatt, Luxpower, Solis, Victron, Voltronic, SMA, etc 20+ brands		



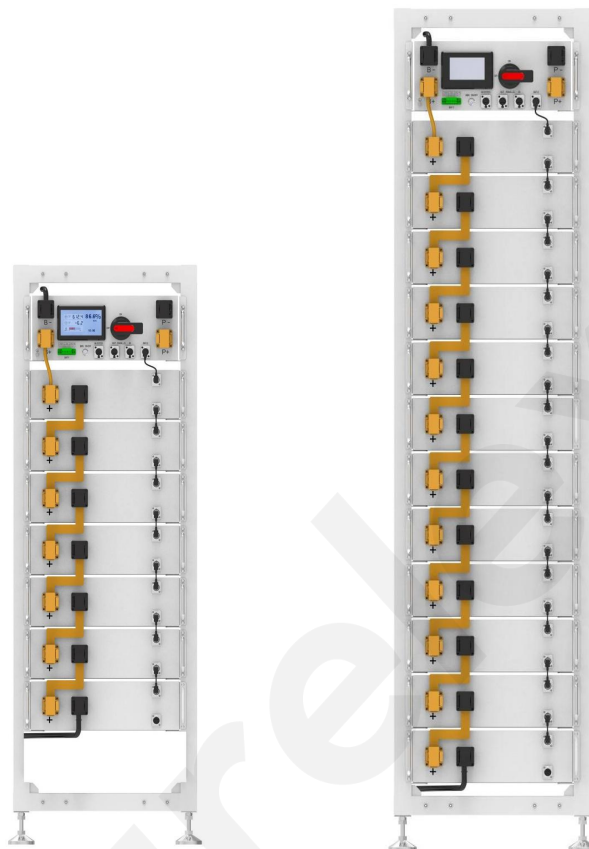
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ES Series Low Voltage LiFePO4 Batteries 5.12kWh - 16.076kWh (Customizable)

- Grade A New Prismatic LiFePO4 Cells from tier 1 brands, with original manufacturer QR code
- Scalable up to 15 units in parallel of up to max 241.14kWh energy capacity
- Patented BMS with full protection
- Wide compatibility with 20+ leading inverter brands
- Lifespan up to 6000 cycles, 10+ years
- Energy efficiency up to 98%, DOD up to 90%
- Rack cabinet optional with improved physical protection.

Specifications

Item	ES100	ES200	ES314
Rated Energy	5.12 kWh	10.24 kWh	16.076 kWh
Usable Energy	4.608 kWh	9.216 kWh	14.47 kWh
Rated Voltage	51.2V	51.2V	51.2V
Operating Voltage	48~56V	48~56V	48~56V
Nominal Capacity	100Ah	200Ah	314Ah
Cell Type	LiFePO4	LiFePO4	LiFePO4
Cell Configuration	16S	16S	16S
Depth of Discharge (DOD)	90%	90%	90%
Max Charge Current	50A	100A	200A
Max Charge Voltage	58.4V	58.4V	58.4V
Max Discharge Current*	100A	100A	200A
Max Power Output	5KW	5KW	10KW
Weight	43 Kg	88 Kg	115 Kg
Dimensions (W × D × H)	442 x 420 x 133 mm	442 x 420 x 265 mm	400 x 715 x 230 mm
Communication	CAN/RS485		
Cycle Life	6000 cycles @0.2C 25°C 80%DOD		
Operating Temperature	Charge: 0~50°C/Discharge: -20~50°C/Storage:-20~45°C		
Humidity	≤90%		
Operating Altitude	≤2000m		
Protection	Over Temperature, Over Current, Short Circuit, Over-charging, Over-discharging, Low Voltage		
Certification	CE, UN38.3, MSDS		
Warranty	5 Years(10 Years Optional)		
Compatible Inverters	Deye, Growatt, Luxpower, Solis, Victron, Voltronic, SMA, etc 20+ brands		



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EK Series High Voltage LiFePO4 Batteries 204.8V-768V (Customizable)

- Grade A New Prismatic LiFePO4 Cells
- Scalable up to 15 modules in series of up to **max 241 kWh** energy capacity(of 51.2V 314Ah module)
- Patented BMS with full protection
- Wide compatibility with 20+ leading inverter brands
- Lifespan up to 6000 cycles, 10+ years
- Energy efficiency up to 98%, DOD up to 90%
- Plug and play connectors, no cables between battery modules.

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Specifications

Item	EK100-N	EK200-N	EK314-N
Rated Energy per module	5.12 kWh	10.24 kWh	16.076 kWh
Battery Module	51.2V 100Ah	51.2V 200Ah	51.2V 314Ah
Set Configuration Range	204.8V 100Ah - 768V 100Ah	204.8V 200Ah - 768V 200Ah	204.8V 314Ah - 768V 314Ah
Set Capacity Range	20.48-76.8 KWh	40.96-153.6 KWh	64.3 - 241KWh
Battery Module in Series	4-15 pcs	4-15 pcs	4-15 pcs
Cell Configuration per Module	16S	16S	16S
Cell Type	LiFePO4	LiFePO4	LiFePO4
Rated Voltage	204.8V-768V	204.8V-768V	204.8V-768V
Depth of Discharge (DOD)	90%	90%	90%
Max Charge Current	50A	100A	100A/200A
Max Discharge Current	50A	100A	100A/200A
Max Power Output	38.4KW	76.8KW	153.6KW
Weight per module	45 Kg	80 Kg	119 Kg
Cabinet Dimensions (W × D × H) 8 modules per cabinet	580 x 630 x 2180 mm	580 x 810 x 2180 mm	580 x 830 x 2270 mm
Communication	CAN/RS485		
Cycle Life	6000 cycles @0.2C 25°C 80%DOD		
Operating Temperature	Charge: 0~50°C/Discharge: -20~50°C/Storage:-20~45°C		
Humidity	≤90%		
Operating Altitude	≤2000m		
Protection	Over Temperature, Over Current, Short Circuit, Over-charging, Over-discharging, Low Voltage		
Certification	CE, UN38.3, MSDS		
Warranty	5 Years(10 years optional)		
Compatible Inverters	Deye, Growatt, Luxpower, Solis, Victron, Voltronic, SMA, etc 20+ brands		



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