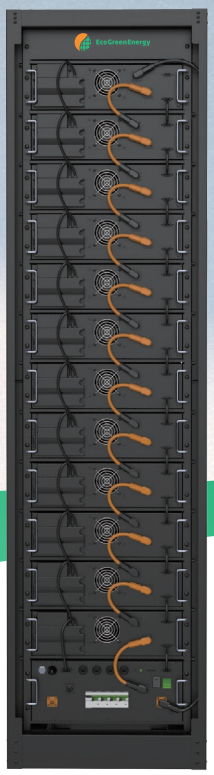
EcoGreenEnergy

- Energy security
- Intelligent monitoring & management
- Reliable performance



EGE Home LFP 63.89kWh Rack-mount HV

Indoor high voltage rack battery

Advanced high-voltage energy storage system designed for large-scale residential and commercial applications. Offering a reliable 15-year lifespan and intelligent operation.

• *Features:*

Exclusive heat dissipation design for rapid cooling

stable and long-term performance, even under heavy use. The continuous 1C discharge rate guarantees reliable power delivery. Ideal for high-demand energy application

Scalability & Smart Monitoring

Remote, intelligent monitoring capabilities allow users to track system status and optimize energy usage in real-time.

Convenience – Cost-effectiveness

Compact 3U modular design for quick installation and hassle-free maintenance, reducing downtime and labor costs. Allows for up to 16 modules in parallel.

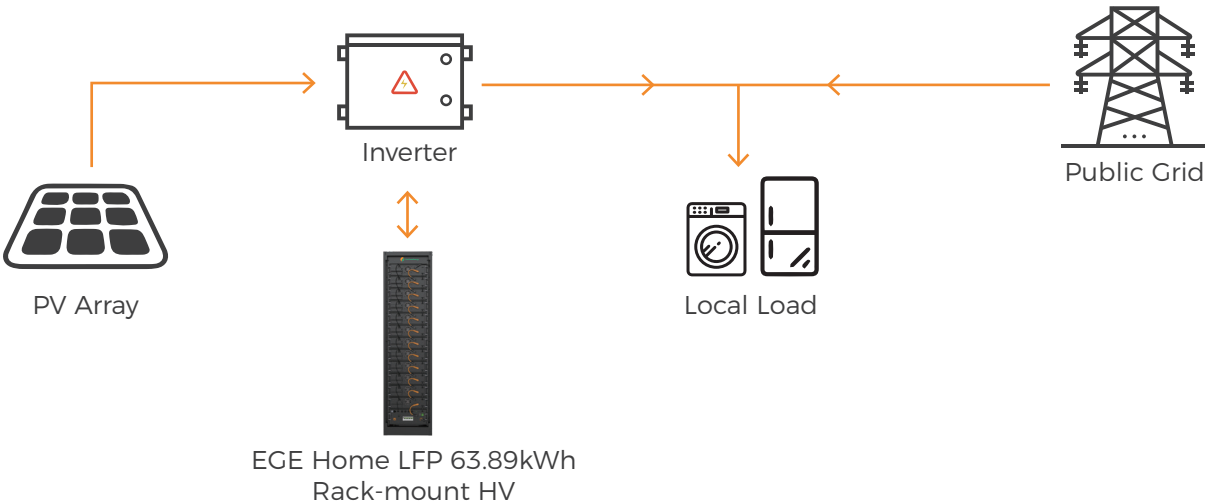
High safety

Built-in safety features, including multiple layers of protection, ensure that the system operates safely under all conditions

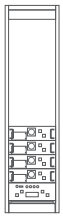
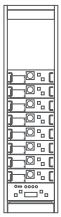
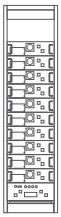
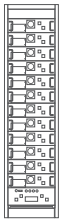
• *Certifications*

IEC CE UN38.3 WEEE

• *System diagram*



EGE Home LFP Rack-mount HV

Number of connections	4	8	10	12
				

Electrical Parameters

System:				
Nominal Energy Capacity (kWh)	21.28	42.56	53.2	63.89
Usable Energy Capacity (kWh)	20.2	40.4	50.5	60.6
Nominal Voltage (V)	204.8	409.6	512	614.4
Operating voltage Range (V)	182.4 - 230.4	364.8 - 460.8	456 - 576	547.2 - 691.2
Cell type	LFP			
Nominal Capacity (Ah)	104			
Max Charging / Discharging Current (A)	50 / 100			
DoD	95%			
Life Cicle	＞6000@25℃@0.5C			

Mechanical Parameters

Dimensions W*D*H (mm)	580*650*2200	580*650*2200	580*650*2200	580*650*2200
Weight (kg)	350	538	658	726
Enclosure Rating	IP20			
Installation	Indoor, rack mounted			
Expansion	Up to 8 clusters in parallel			

Environmental Parameters

Ambiant temperature range	Charge: -10~50℃; Discharge: -20~50℃
Humidity range (%RH)	5~95, No condensation
Altitude (m)	＜2000
Communication	RS485, CAN, WIFI
Certifications	IEC62619 / IEC60730 / IEC62477 / CE-EMC / CE-RED / WEEE / 电池指令 / UN38.3

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Specifications included in this datasheet are subject to change without prior notice. Refer to our website for further information or contact one of our sales staff.