

LIFEPO4 BATTERY  
**LITHIUM  
BATTERY**

GGESS-51.2-8KWh 155 Ah

KWh



Reliable LFP cells



High inverter compatibility



Natural cooling system



5 years warranty



Cycle life > 6000 times



CANbus standard connection



IP20 Rating Triple hardware protection



Smart BMS system to optimize the performance

## GENERAL INFORMATION

Battery model	GGESS-51.2-8kWh
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	51.2V
Operation voltage range	43.2V~58.4V
Rated energy	155AH
System energy capacity	8kWh
Max continuous discharging current	150A
Rated charge current	80A
Rated discharging current	80A
DOD % @25°C	80%DOD
Self-discharge	<3% per Month @25°C
Warranty	>6000 Cycles @25°C 80%DOD
Cycle life	5 Years
Warranty Dimension(W×H×D)	L420×W190×H660(677)mm
Package	Individual Wooden Box
System function	Over-Charge protection; over-discharge protection; short-circuit protection; over-voltage protection; Under-voltage protection; over-current protection; Over-temperature protection; State of Charge Display; Anti- Surge protection; Smart BMS with First Level protection, Second Level Protection and Third Level protection; and Circuit Breaker protection;

## ENVIRONMENTAL REQUIREMENTS

Charge temperature	0~60°C
Discharge temperature	-20~60°C
Recommended storage temperature	20~35°C
Cooling concept	Natural cooling
Max.operating altitude	3000m
Ingress protection	IP20
Environment	Indoor
Installation type	Ground(against the wall)

## COMMUNICATION INTERFACES

Display	LED Strip Light(L255*W20mm)
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