

Rack Type LV Battery System

GLR-280

Features

Safety & Reliable



Very Safe and High Quality
with LiFePO4 technology & Smart BMS

≥6000Cycles,LongLiFe



Long cycle life with tier 1 brand with A
grade cells and superior performance

Compact Size & Easy Installation



Elegant Design
Rack-mounted for quick installation

Expand capacity flexibly



Parallel to expand capacity easily
up to 215kwh

High compatibility BMS



Seamless communication with
most brands inverters

Wide Applications



Self-Use, Peak Shaving, UPS, Backup,
ESS, HESS, BESS, Bank, Hospital,
School, Base Station

Technical Data



Battery Module Model	
Main Parameter	
Cell Chemistry	
Module Energy (kWh)	
Module Nominal Voltage (V)	
Module Capacity (Ah)	
ITEM	
Battery Module Qty In Parallel (Optional)	
System Nominal Voltage (V)	
System Capacity (Ah)	
System Energy (kWh)	
Charge/Discharge	Nominal
Current(A)	Peak Discharge

GLR-280			
LiFePO4			
14.336			
51.2			
280			
GLR-280-E14	GLR-280-E28	GLR-280-E43	GLR-280-E57
1	2	3	4
51.2			
280	560	840	1120
14.33	28.67	43.0	57.34
140A	280A	420A	560A
140A	280A	420A	560A

Other Parameter	
Recommend Depth of Discharge	
Dimension (L*D*H)	
Battery Pack N.W.	
Master LED Indicator	
Bluetooth	
Communication Port	
IP Rating of Enclosure	
Operating Temperature	
Storage Temperature	
Relative Humidity	
Altitude	
Cycle Life	
Warranty Period	
Installation	
Certification	

90% DoD			
388*756*267	388*756*534	582*838*801	582*838*1068
120kg	240kg	360kg	480kg
6LED (SOC : 17% ~ 100%) , 3LED (ON/OFF, RUN, Alarm)			
Include			
CAN/RS232/RS485			
IP20			
Charge : 0°C~55°C, Discharge : -20°C ~ 60°C			
-10 ~ 40°C			
95%			
≤2000 m			
≥6000 90%DOD			
10Years			
Rack Mounted			
CE/UN38.3/MSDS			

Technical Data

GLR-280-E71



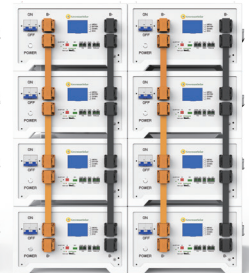
GLR-280-E86



GLR-280-E100

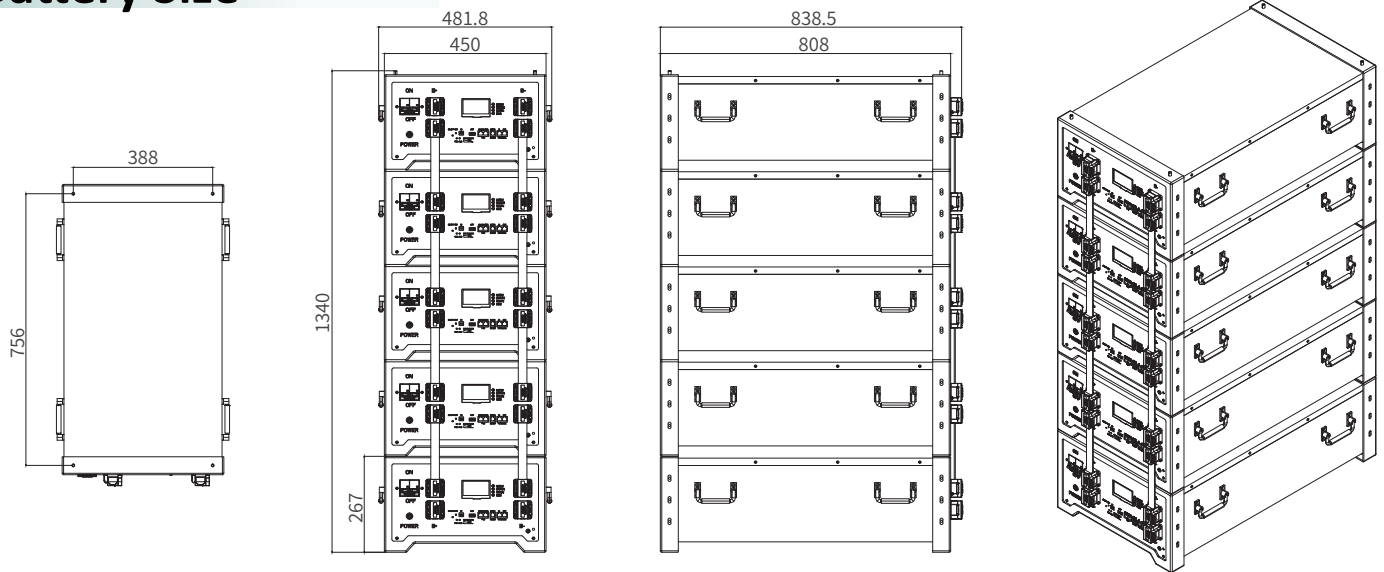


GLR-280-E114

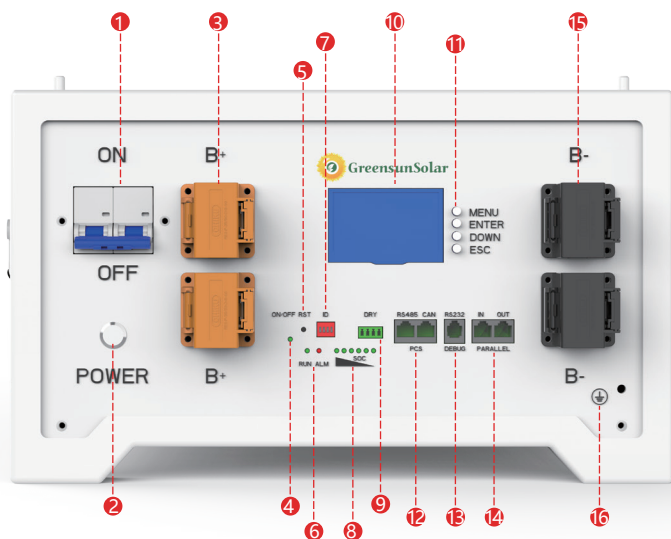


Battery Module Model		GLR-280			
Main Parameter					
Cell Chemistry		LiFePO4			
Module Energy (kWh)		14.336			
Module Nominal Voltage (V)		51.2			
Module Capacity (Ah)		280			
ITEM		GLR-280-E71	GLR-280-E86	GLR-280-E100	GLR-280-E114
Battery Module Qty In Series (Optional)		5	6	7	8
System Nominal Voltage (V)		51.2			
System Capacity (Ah)		1400	1680	1960	2240
System Energy (kWh)		71.68	86.02	100.35	114.69
Charge/Discharge	Nominal	700A	840A	980A	1120A
Current(A)	Peak Discharge	700A	840A	980A	1120A
Other Parameter					
Recommend Depth of Discharge		90% DoD			
Dimension		388*756*1335	388*756*1602	582*838*1869	582*838*2136
Battery Pack N.W.		600kg	720kg	840kg	960kg
Master LED Indicator		6LED (SOC : 17% ~ 100%) , 3LED (ON/OFF, RUN, Alarm)			
Bluetooth		Include			
Communication Port		CAN/RS232/RS485			
IP Rating of Enclosure		IP20			
Operating Temperature		Charge : 0°C~55°C, Discharge : -20°C ~ 60°C			
Storage Temperature		-10 ~ 40°C			
Relative Humidity		95%			
Altitude		≤2000 m			
Cycle Life		≥6000 90%DOD			
Warranty Period		10Years			
Installation		Rack Mounted			
Certification		CE/UN38.3/MSDS			

Battery Size



Battery Overview



1	Breaker	2	Power Switch
3	Positive Connector	4	ON/OFF
5	Reset Button	6	RUN/ALM
7	DIP	8	SOC LED
9	DRY CONTACT	10	Display Screen
11	Screen Button	12	CAN/RS485 Port
13	RS232 Port	14	IN/OUT Port For Paralle
15	Negative Connector	16	Grounding

Battery Pack Default Accessories

	DC Power Cable: Pair of 35mm ² DC power cable(end is M10 copper terminal). The default length is 1500mm
	Ground Gable: 6mm ² Yellow-green ground line, The default length is 1500mm
	RJ45 communication cable: One RJ45 communication cable connect with hybrid inverter. The default length is 1500mm One RJ45 parallel cable connect with battery. The default length is 200mm
	Simple stacking bracket: Used for battery stacking and securing

Easy Expansion

