GSL 14.34kWh 51.2V 280AH Lithium Battery Module

Features

Convenient

Quick installation, standard of 19-inch embedded designed module is comfortable for installation and maintenance.

Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

Eco-friendly

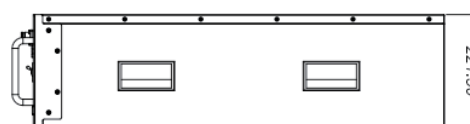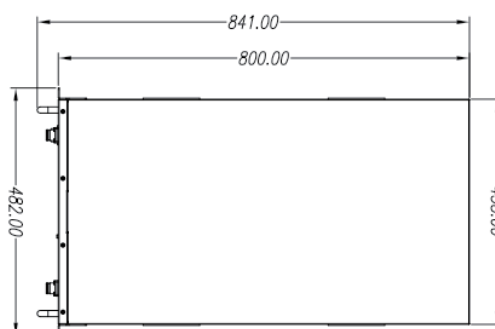The whole module is non-toxic, on-polluting and environmentally friendly.

Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, WIFI upgrade (optional), remote upgrade (Compatible with GSL inverter).

Wide temperature

Working temperature range is from -20℃ to 55℃, with excellent discharge performance and cycle life.

Home Energy Storage Lithium Ion Battery Pack

Main Parameter		GSL-51-280
Battery Chemistry		LiFePO4
Capacity (Ah)		280
Scalability		Max.16pcs in parallel(229.4kWh)
Nominal Voltage (V)		51.2
Operating Voltage(V)		46-56
Energy (kWh)		14.34
Usable Energy (kWh) [1]		12.90
Charge/Discharge Current (A)	Recommend [2]	100
	Max. [2]	150
	Peak(2mins,25℃)	200
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D,mm)		438*221.5*800
Weight Approximate(kg)		125
Master LED indicator		4LED(SOC:25%~100%)
		2LED (working, alarming, protecting)
IP Rating of enclosure		IP20
Working Temperature		Charge:0℃～55℃ Discharge:-20℃～55℃
Storage Temperature		0℃～35℃
Humidity		5%~95%
Altitude		≤2000m
Cycle Life (25±2℃,0.5C/0.5C,80%EOL)		≥8500
Installation		19-inch standard cabinet, cabinet depth ≥1100mm / with rack
Communication Port		CAN2.0, RS485
Warranty Period [3]		15 years
Life Cycle Power During Warranty Period [3]		80MWh@80%EOL
Certification		UL1973, IEC62619, CE-EMC, MSDS, UN38.3