



GreensunSolar

Lithium Iron Phosphate Battery

12.8V 205Ah

GLi12-205



Features of LiFePO₄ Battery

- » The whole module is non-toxic, non-polluting and environmentally friendly;
- » Cathode material is made from LiFePO₄ with safety performance and long cycle life;
- » Battery management system (BMS) has protection functions including over-discharge, over-charge, over-current and high/low temperature;
- » Small size and light weight, comfortable for installation and maintenance.

Application

- » Wheelchairs and scooters;
- » Solar/wind energy storage;
- » Back-up power for small UPS;
- » Golf trolleys & buggies

Greensun Solar Energy Tech Co., Limited

Tel: +86 187 1510 8506

Email: manager@greensunpv.com

Web: www.greensunpv.com



Module		GLi12-205
Product Parameters	Nominal Volage	12.8V
	Nominal Capacity	205Ah
	Energy	2624WH
	Cell Configuration	4S1P (4 Series 1 Parallel)
	Cycle Life	>6000 cycles
	Operating Voltage Range	10-14.6V
	Operating Temperature Range	Charging: 0~ 55°C
		Discharge :-20~ 60°C
	Charge Current	200A
	Max.Charge Current	200A
	IP Class	IP67
	Approx. Dimensions	386*206*273mm
	Approx.Weight	≤19.6±0.5kg
	Terminal	M8
Protection Board Parameters	Total Overcharge Voltage Protection	≥14.6V
	Total Overdischarge	≤10V
	Over-discharge Release Voltage	≥12V
	Discharge Overcurrent Protection	≥450A
	Charging Overcurrent Protection	≥230A
	Discharge Overtemperature Protection	≥60°C
	Discharge Overtemperature Recovery	≤55°C
	Discharge Undertemperature Protection	≤-30°C
	Discharge Overtemperature Recovery	≤-20°C
	Charging Overtemperature Protection	≥55°C
	Charging Undertemperature Protection	≤2°C
	Short-Circuit Protection Current	≥1600A
	Balancing Trigger Voltage	≥50mV
	Balancing Current	30mV
Depth	Zero charge/discharge current detected → Enter sleep mode after 120-minute timeout (Bluetooth deactivated, AFE suspended, charge/discharge MOSFETs disabled)	