



PLASTIC CASE TYPE LIFEPO4 BATTERY

12.8VDC SERIES



FEATURES

- ◆ Built-in intelligent BMS
 - ◆ ≥ 6000+ cycle life
 - ◆ A+ grade brand battery cell
- ◆ Comply with ROSH standards
 - ◆ Design life up to 10 years at 25°
 - ◆ No active cooling system is required

APPLICATION

- ◆ Oil and electricity hybrid energy storage system.
 - ◆ Grid frequency adjustment energy storage system.
 - ◆ New energy communication base station, Core computer room, IDC UPS.
 - ◆ New energy generation (solar, wind, PV/wind hybrid) access to energy storage system.
- ◆ Smart grid, micro-grid system.
 - ◆ Other energy Storage System.
 - ◆ Mobile container storage system.
 - ◆ Load tracking energy storage system.
 - ◆ Peak load shifting energy storage system.

Technical Data

MODEL	GE1207P	GE1209P	GE1212P	GE1215P	GE1220P	GE1230P	GE1240P	GE1260P	GE1280P	GE12100P	GE12120P	GE12150P	GE12200P	GE12280P	GE12300P
Rate voltage(Vdc)	12.8V														
Rate capacity(AH)	7	9	12	15	20	30	40	60	80	100	120	150	200	280	300
Energy storage(WH)	89.6	115.2	153.6	192	256	384	512	768	1024	1280	1536	1920	2560	3584	3840
Cycle life	DOD(≥2000 cycles @85% DOD).								DOD(≥4000 cycles @85% DOD).						
Months self discharge	≤2%														
Efficiency of charge	100% at 0.2C														
Efficiency of discharge	96-99% at 1C														
Standard Charge															
Charge voltage	14.6±0.1V														
Charge mode	0.2C to 14.6V, then 29.2V, Charge current to 0.02C (CC/CV)								0.2C to 14.6V, then 14.6V, Charge current to 0.02C (CC/CV)						
Charge current(A)	1.4	1.8	2.4	3	4	6	8	12	16	20	24	30	40	56	60
Max.Charge current(A)	7	9	12	15	20	30	40	60	80	100	100	100	200	200	200
Charge cut-off voltage(VDC)	14.6														
Standard Discharge															
Contiuous current(A)	10	10	10	15	20	30	40	60	80	100	100	100	200	200	200
Discharge cut-off voltage(VDC)	11.2														
Environmental															
Charge temperature	0 °C to 45 °C (32F to 113F) @ 60±25% Relative Humidity														
Discharge temperature	-20 °C to 60 °C(-4F to 140F) @ 60±25% Relative Humidity														
Storage temperature	0 °C to 40 °C (32F to 104F) @ 60±25% Relative Humidity														
Mechanical															
IP Class	IP60														
Material system	LiFePO4														
Case material	Plastic														
Pack Dimensions L*W*H(mm)	151*65*94	151*65*94	151*99*99	151*99*99	181*77*170	198*166*170	198*166*170	260*168*209	412*326*137	412*326*137	412*326*137	412*451*137	502*471*137	502*471*137	502*471*137
Package Dimension L*W*H(mm)	156*70*99	156*70*99	156*104*104	156*104*104	186*82*175	203*171*175	203*171*175	265*173*214	460*445*230	460*445*230	460*445*230	550*470*230	571*560*230	571*560*230	571*560*230
Net Weight(kg)	1.3	1.4	1.9	2.2	3	4.3	5.9	11.5	19	21	21	28.5	37	51.8	55.5
Gross Weight(kg)	1.5	1.6	2.2	2.5	3.5	4.8	6.4	12	21	23	23	30.5	39	54.6	58.5
Protocol(Optional)	Bluetooth								CANBus / RS485 / RS232						
SOC(Optional)	LED/LCD														
The quality assurance period	60 months														

Product specifications are subject to change without prior notice.