

GP-5121000-LWR

General Features



SAFETY

- + Long life type prismatic LiFePO4 cells , suitable for energy storage application.
- + Low voltage system , safety for application.
- + Cell certification: IEC62619, U L1973, UL9540A, ROHS
- + Battery certification: UN38.3, MSDS, CE



DESIGN

- + Indoor floor mounted design, IP20 class.
- + Flexible and easily installation, bottom with rollers.
- + -20~+55°C widely temperature range.
- + 4.3" touch LCD screen.
- + Maintenance free.



SCALABILITY

- + Parallel support for more energy.
- + Communication compatible with the major inverter manufacturers, Change different inverter protocol by LCD.



BATTERY MANAGEMENT SYSTEM

- + Independent protection for charge and discharge.
- + LCD displayl for detailed battery information.
- + OVP, LVP, OCP, OTP, LTP, Short-circuit protection.
- + RS485,CAN communication port for inverter and Link in& out for battery to battery communication.



SPECIFICATION

Model	GP-5121000-LWR
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	5120
Dimension (W*D*H, mm)	44.5*15.5*47.2
Weight [Kg]	41.0
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	110A @10S
Charging Voltage [V]	55.2~57.6
End of Discharge Voltage [V]	44.8
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C
Cycle Life ⁽¹⁾	>6000
Designed Calendar Life	10 Years
Communication interface	For inverter : RS485, CAN For battery to battery: LINK-IN, LINK-OUT
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support ⁽²⁾	Yes, Max. 15 Sets
Series Support	Not support

Note:

(1) 25°C, 0.5C /0.5C , 80%DOD to 70% of initial capacity.

(2) For parallel connection, refer to user manual.