

SAFETY

+ Long life type prismatic LiFePO4 cells, suitable for energy storage application.
+ Low voltage system, safety for application.
+ Cell certification: UN38.3, ROHS, IEC62619, UL1973 and UL9540A
+ Battery certification: UN38.3, MSDS, CE
+ Cycle life >6000 cycles.

DESIGN

+ Flexible and easily installation, support wall mounted.
+ -20~+55°C widely temperature range.
+ Parallel support for more energy or more capacity inverter.
+ SOC, RUN, ALARM display and APP for detailed operation.
+ OVP, LVP, OCP, OTP, LTP protection.
+ RS485,CAN communication port for inverter.

Compatible with inverter brands

Communication compatible with major inverter

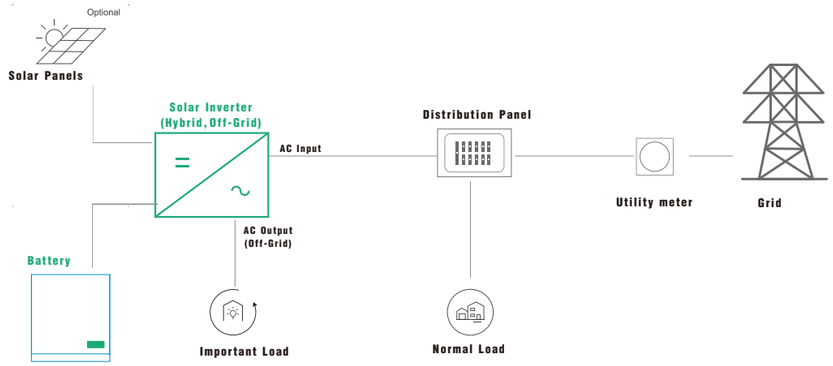
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■ BAT-5KWH-51.2V
■ BAT-10KWH-51.2V
■ BAT-10KWH-51.2V-150A
■ BAT-10KWH-51.2V-200A
■ BAT-15KWH-51.2V-140A

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LOW VOLTAGE BATTERY-51.2V 5KWH / 10KWH/15KWH

SYSTEM TOPOLOGY



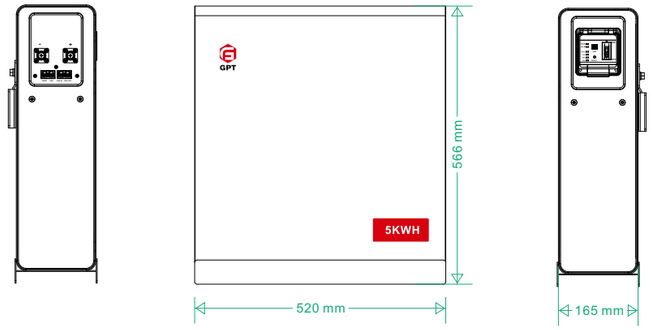
PARAMETERS

Model	BAT-5KWH-51.2V	BAT-10KWH-51.2V -100A	BAT-10KWH-51.2V -150A	BAT-10KWH-51.2V -200A	BAT-15KWH-51.2V -140A
Nominal Voltage [V]	51.2	51.2	51.2	51.2	51.2
Nominal Capacity [Ah]	100	200	200	200	280
Total Energy [Wh]	5120	10240	10240	10240	14336
Dimension (W*D*H, mm)	520*165*566	520*165*865	520*165*865	520*165*865	520*200*865
Weight [Kg]	50	96	96	96	125
Max. Charging Current [A]	100	100	150	200	140
Max. Discharging Current [A]	100	100	150	200	140
Pulse Discharge Current	110A @10min 120A @10s	110A @10min 120A @10s	165A @10min 180A @10s	210A @10min 220A @10s	165A @10min 180A @10s
Charging Voltage [V]	55.2~57.6				
End of Dicharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)				
Operation Humidity	0~95% RH (No condensing)				
Operating Temperature Range	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -30 ~ +55°C				
Cycle Life (1)	>6000				
Designed Calendar Life	10 Years				
Communication interface	RS485, CAN				
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit				
Parallel Support (2)	Yes, Max. 15 Sets				
Series Support	Not support				

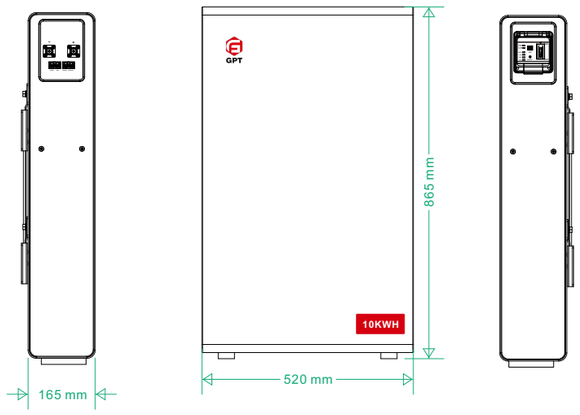
Note:
(1) 25°C ,0.5C/0.5C, 90%DOD and 70% EOL
(2) For parallel connection, refer to user manual.

LOW VOLTAGE BATTERY-51.2V 5KWH / 10KWH/15KWH

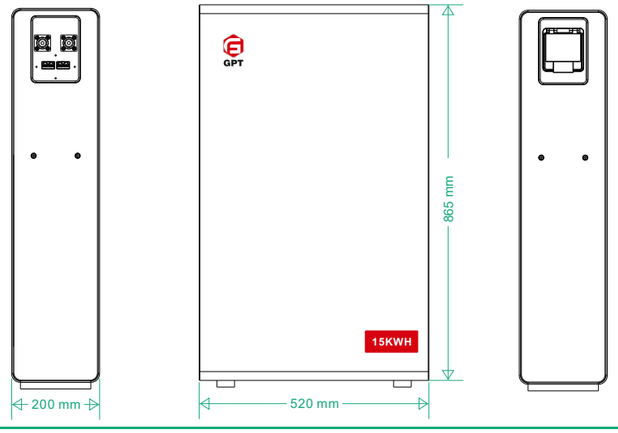
DIMENSION BAT-05-LV-100A



DIMENSION BAT-10-LV-100A /150A/200A

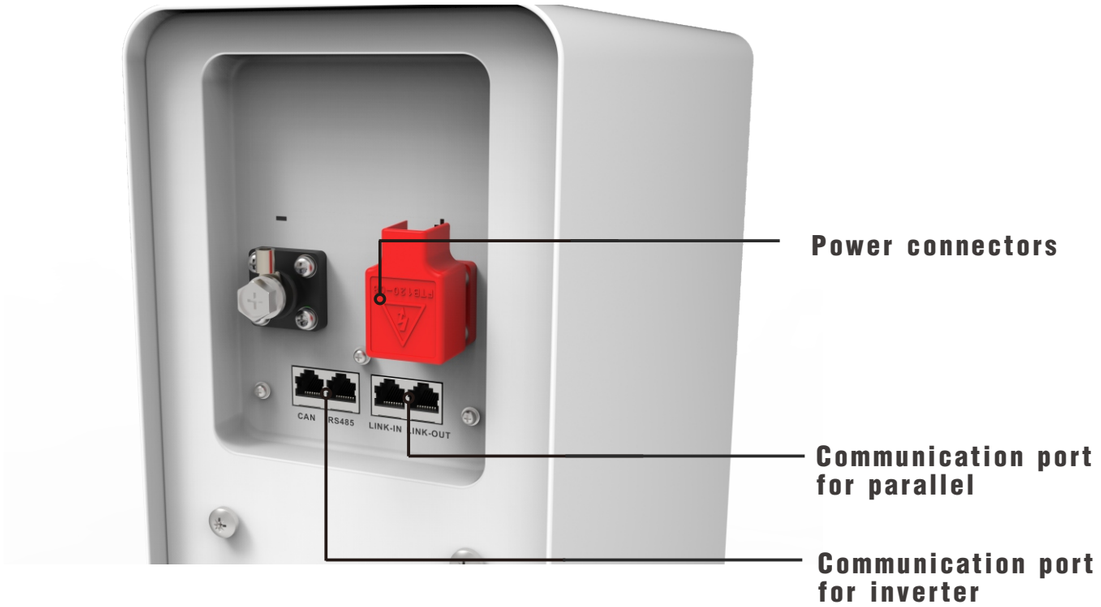


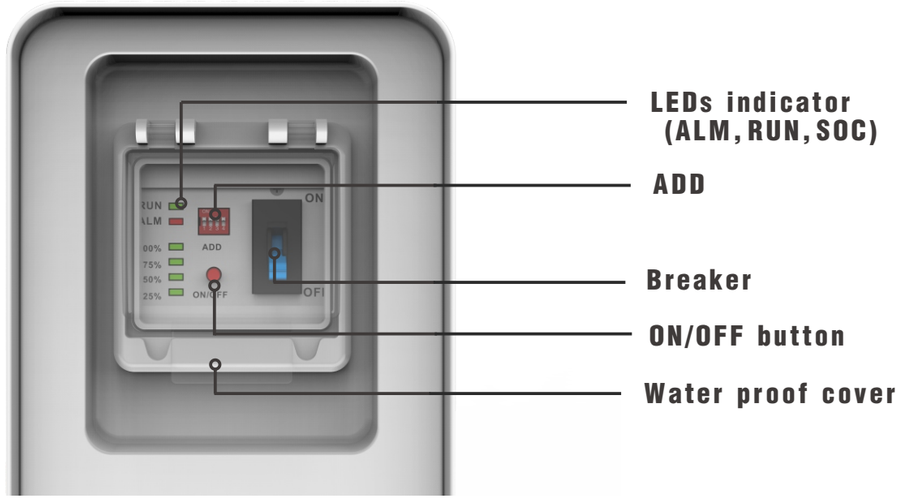
DIMENSION BAT-15-LV-140A



LOW VOLTAGE BATTERY-51.2V 5KWH / 10KWH/15KWH

DETAILS







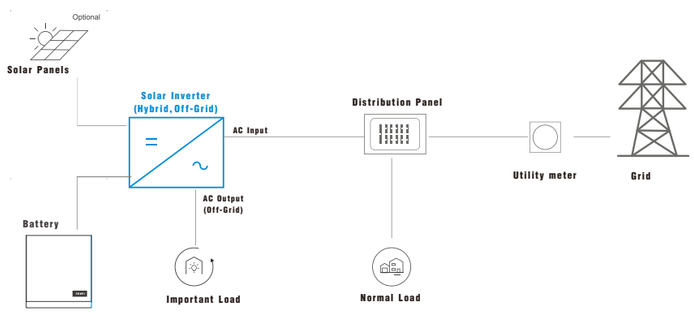
FEATURES

- ☑ Adopt DSP full digital control mode .
- ☑ High precision MPPT controller.
- ☑ PV input voltage up to 500VDC.
- ☑ Configurable Grid or PV input priority.
- ☑ Support parallel for three-phase four-wire power system.
- ☑ Max 6 sets in parallel for capacity expansion.
- ☑ ECO model can reduce electricity bills.
- ☑ Support diesel generator control for off-gird application.
- ☑ Balanced charging mode prolong battery cycle life.
- ☑ Optional WIFI/GPRS module for remote monitoring.

■ INV-5KW-EU-220Vac

■ INV-5KW-AM-110Vac

SYSTEM TOPOLOGY



HYBRID INVERTER

	INV-5KW-EU-220Vac	INV-5KW-AM-110Vac
Battery		
Battery Voltage	48VDC	
Maximum Charging Current (AC +PV)	100A	
Battery Type	Lithium	
Solar Input		
Maximum PV Input Power	6000W	
MPPT Range @ Operating Voltage	120VDC -450VDC	
Maximum PV Input Current	22A	
Number of MPPTrackers	1/1	
Maximum PV Open-circuit Voltage	500VDC	
Maximum Solar Charge Current	100A	
AC Output		
Rated Power	5000VA/ 5000W	
AC VolParallel Capability	Yes, 6 units maximum	
AC Voltage Regulation	230VAC ± 5% @ 50/60Hz	120VAC± 5% @ 50/60Hz
Surge Power	10000VA	
E ciency (Peak)	0.93	
Waveform	Pure sine wave	
Transfer Time	10ms typical, 20ms Max	
AC Charger Data		
Charge Current	60A	60A
AC Input Voltage	230 Vac	120 Vac
Selectable Voltage Range	170-280 Vac	90-140Vac
Frequency Range	50Hz/60Hz (Auto sensing)	
Physical Data		
Protection Degree	IP20	
Dimension (W/H/D)	520*566*165	
Net Weight	26Kg	
Others		
Certificate	CE(IEC62109-1/2)/ 1-6PCS	ETL(UL 1741 C22.2 NO.107.1)
Humidity	5% to 95% Relative Humidity(Non-condensing)	
EMC Certification Level	EN61000, C2	
Altitude	<2000m	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	