



## Replace lead-acid/gel battery Energy Storage Lithium Battery



- Use high-quality lithium iron phosphate batteries
- Equipped with intelligent BMS battery management system, no need to change the original installation structure, can quickly replace lead-acid/gel batteries
- Lithium iron phosphate battery pack has long life, high safety performance, and good sealing
- It has waterproof, dustproof, and salt spray-proof properties, and is compatible with most photovoltaic controllers and inverters, providing efficient energy for photovoltaic power generation systems, solar street lights, monitoring systems, ships and other electrical equipment, effectively reducing operation and maintenance costs

### Technical Parameters

Product Specifications	12V5Ah	12V8Ah	12V10Ah	12V20Ah	12V30Ah	12V50Ah
Battery capacity	64Wh	102Wh	128Wh	256Wh	384Wh	640Wh
Standard discharge current	2.5A	4A	5A	10A	15A	25A
Maximum discharge current	5A	8A	10A	20A	30A	50A
Operating voltage	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V
Standard voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
Maximum charging voltage	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V
Discharge depth and life	@DOD 80%/25°C/0.5C/6000 cycles, energy retention rate ≥80%					
Working humidity	65±20%RH					
Operating temperature	0 ~ +40°C					
Work poster height	≤2500米					
Cooling method	Natural cooling					
Protection level	IP65					
Product size	152*65*98mm	152*65*98mm	152*65*98mm	265*70*90mm	265*70*90mm	255*165*215mm
Product Weight	0.9Kg	1.2Kg	1.5Kg	3.2Kg	4.5Kg	9Kg

Product Specifications	12V100Ah	12V200Ah	12V300Ah	24V50Ah	24V100Ah	24V200Ah
Battery capacity	1.28kWh	2.56kWh	3.84kWh	1.28kWh	2.56kWh	5.12 kWh
Standard discharge current	50A	50A	50A	25A	50A	50A
Maximum discharge current	100A	100A	100A	50A	100A	100A
Operating voltage	10-14.6V	10-14.6V	10-14.6V	20-29.2V	20-29.2V	20-29.2V
Standard voltage	12.8V	12.8V	12.8V	25.6V	25.6V	25.6V
Maximum charging voltage	14.6V	14.6V	14.6V	29.2V	29.2V	29.2V
Discharge depth and life	@DOD 80%/25°C/0.5C/6000 cycles, energy retention rate ≥80%					
Working humidity	65±20%RH					
Operating temperature	0 ~ +40°C					
Work poster height	≤2500米					
Cooling method	Natural cooling					
Protection level	IP65					
Product size	255*165*215mm	480*165*240mm	515*235*225mm	305*165*215mm	480*165*240mm	635*245*220mm
Product Weight	16Kg	28Kg	45Kg	20Kg	30Kg	40Kg