

# LFP BATTERY PACK

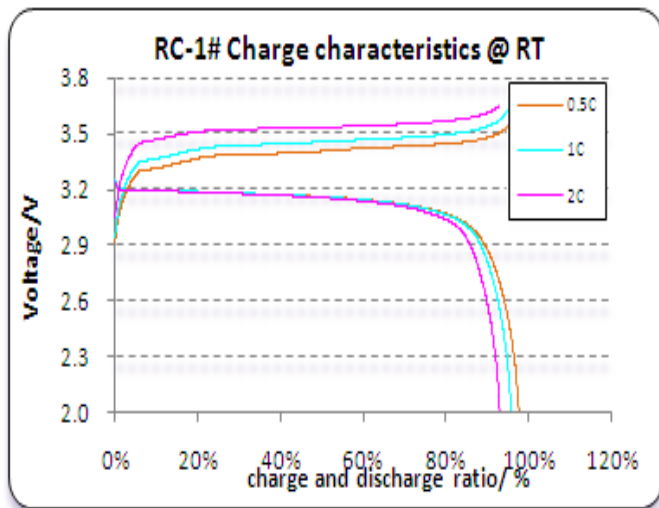
## 12V Series

### Feature

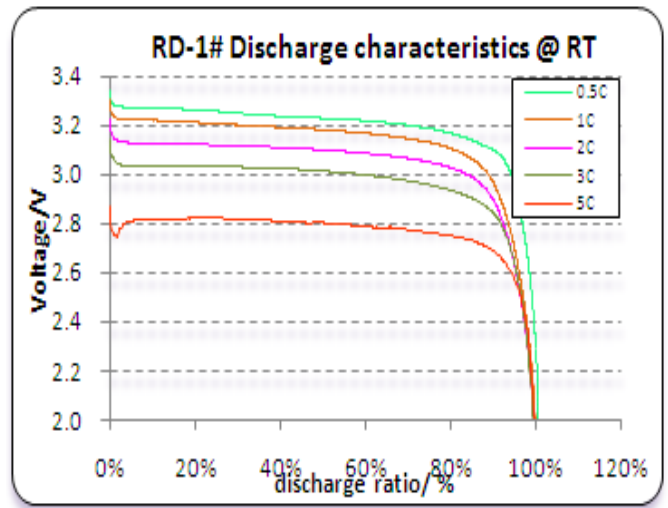
- ★ Standard module, compatible with existing cabinets
- ★ High power density, compact design, light weight
- ★ Internally installed BMS, high safety and reliability
- ★ Higher charging and discharging rate
- ★ Higher power rate and depth of discharge
- ★ Deeper DOD, More cycles and longer service life



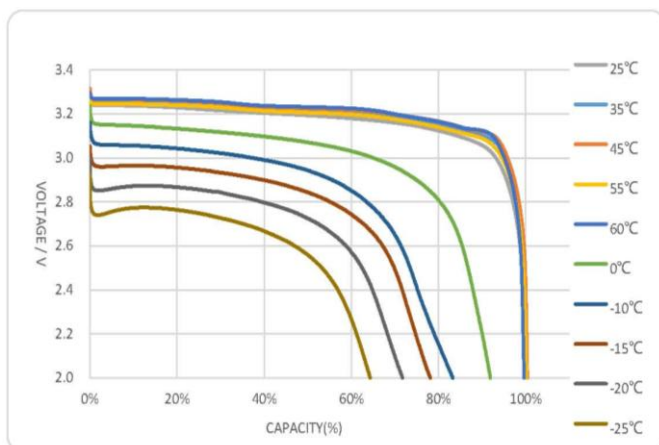
### Charge/Discharge at R.T



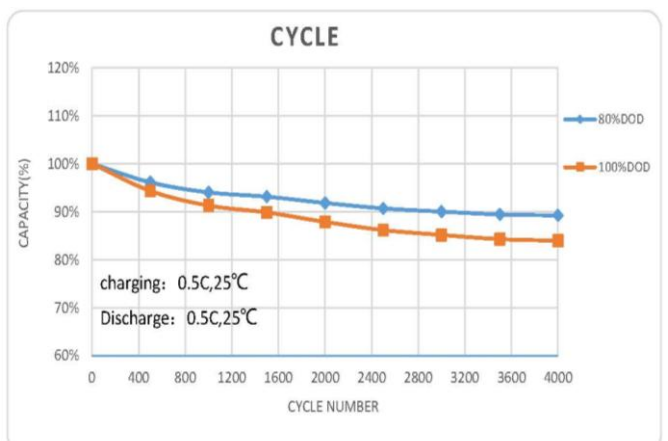
### Discharge at different ratio



### Discharge at different temperature



### Life cycles



Specifications	1220	1240	1280	12120	Remark
<b>Basic Parameter</b>					
Battery type	LFP				
Nominal voltage	12.8V	12.8V	12.8V	12.8V	
Battery capacity	20Ah	40Ah	80Ah	120Ah	
Inner Resistance	≤20mΩ	≤20mΩ	≤50mΩ	≤50mΩ	@1kHz
<b>Charging</b>					
MAX. charging voltage	14.6V	14.6V	14.6V	14.6V	
Rated charging current	4A	5A	10A	15A	
Maximum charging current	5A	10A	20A	25A	
Temperature range during charging	0°C ~ +45°C				
<b>Discharging</b>					
Cut off voltage	10.0V	10.0V	10.0V	10.0V	
Rated discharging current	5A	10A	16A	25A	
MAX. discharging current	10A	20A	40A	50A	
Temperature range during discharging	-20°C ~ +60°C				
<b>Dimension and weight</b>					
Dimension (L*W*H )	247*167*38	247*167*45	214*186*135	196*178*200	
Weight(Approx)	≤3.5Kg	≤4.5Kg	≤9.0Kg	≤12.5Kg	
<b>General Data</b>					
Self-Discharge rate	≤3%/Month				
Life cycles	≥4000 Cycles ( @25°C , 80%DOD )				
Protection grade	IP65				