

V-LFP 48V 100Ah

Vision Technology delivers safe lithium phosphate Li ion Battery solutions in standard lead-acid battery sizes for Communication field.



Overview

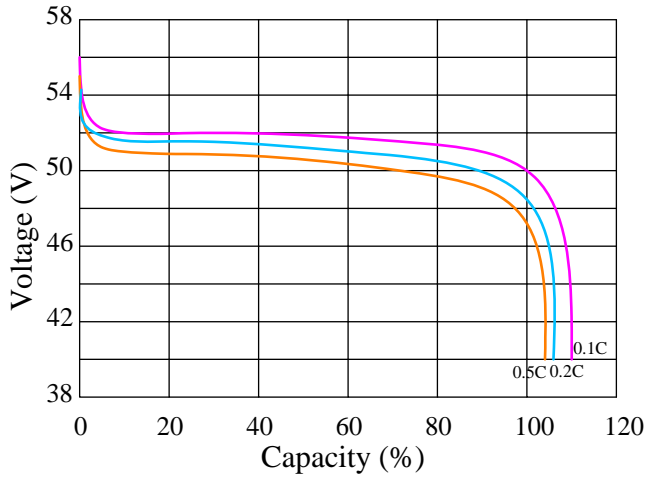
The V-LFP 48V100Ah back-up lithium iron phosphate battery system is developed for backup of telecom equipments. Under normal condition, grid AC power supply to rectifier module and the telecom loads and charge battery pack; When the AC power fail, rectifier module stop power supply, the battery serves for telecom equipment, to ensure the telecom equipment runs normally; when the AC power is switched on again, power rectifier module for telecom equipment recover to while charge the battery pack.

Features

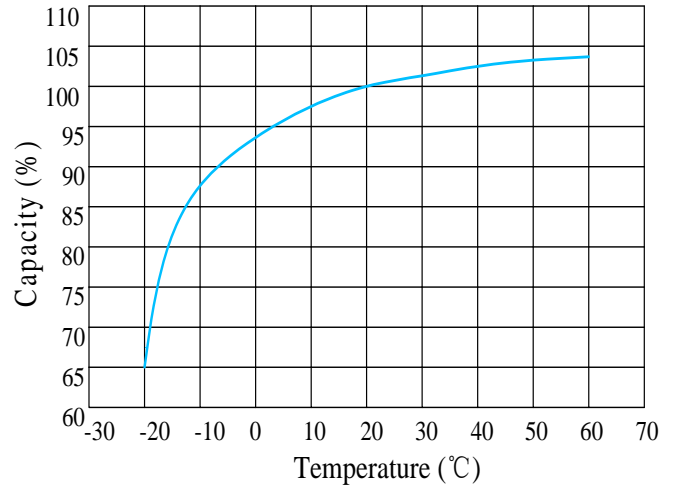
- Comprehensive communication
- Parallel operation, for scalability
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Redundant safety
- Compatible with standard telecom rectifiers
- Maintenance free
- Internal cell balancing
- Communication of monitored data via Battery Management System (BMS)

Specifications		V-LFP 48V 100Ah
Voltage		51.2 V
Nominal Capacity (25°C , 0.2C)		100 Ah
Weight (Approximate)		60 Kg
Energy		5120 Wh
Dimension.Terminals L*W*H (Approximate)		442 mm*520 mm*182 mm
Standard Discharge 25°C	Max.cont.current	65 A
	Cut-off voltage	40 V
Standard charge	Charge Voltage	54.0~56.5V
	Float	51.0~54.0 V
	Style	CC/CV
	Max.cont.current	55 A
Using temperature		-30~60°C
Storage temperature		-30~50°C
Cycle Life (25°C)		≥2000 times

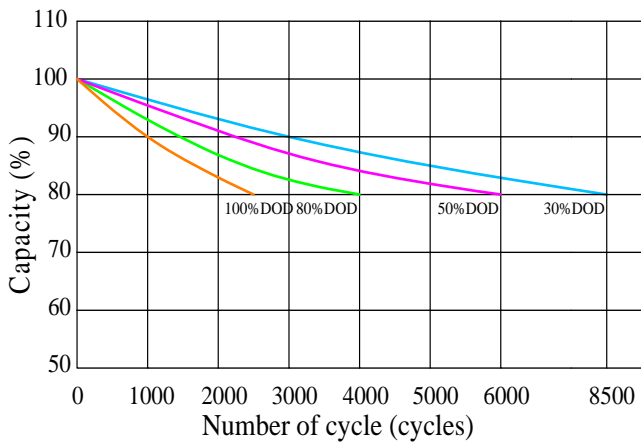
Discharge Performance at R.T



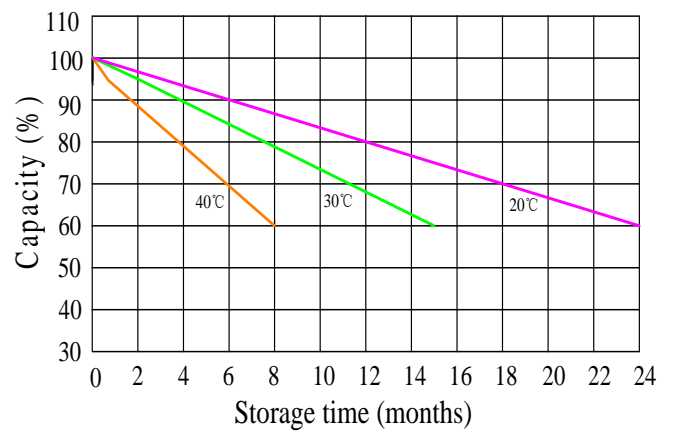
Temperature effects on capacity



Cycle life in relation to depth of discharge at R.T



Self-discharge characteristic



Performance may vary depending on, but not limited to cell usage and application. If cell is used outside specifications, performance will diminish. All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate.