



ML14.3K-HVR-01

High Voltage LiFePo4 Battery

280Ah 51.2V



1.Scope

This document describes the product specification and using condition of the Lithium ion battery

Item	Specification		
Nominal voltage	51.2 V		
Rated capacity	280 AH		
Battery impedance	≤ 50 mΩ		
Limited charging voltage	58.4 V	Charging Cut-off Voltage	
Recommended charging method	Ambient temperature	Charging current	Limited charging voltage
	0°C ~ 15°C	Max 0.2C	Max 58.4V
	15°C ~ 55°C	Max 0.5C	Max 58.4V
Recommended charging & discharge current	140A		
Maximum Charge Current@10sec	250A		
Maximum Discharging Current@10sec	250A		
Discharge cut- off voltage	46.4V		
Operating temperature Range (Discharging)	Charge 0~55 °C		
	Discharge -20~55 °C		
Storage environment (50% state of charge)	-20°C ~ 45°C in three months		
	25±3°C over three months		
	Humidity: 65±20%RH		
Battery weight (Approx.)	115.0 Kg		
Battery Module Qty in series	up to 15		
Minimum Battery Module Qty in series	3		
clusters can be paralleled connected	up to 10		