

VCLB-(1.2-5.1)K-100/200-Li

Features

- High cycle life: >3000 times @80%dod for effectively lower cost of ownership
- Built-in bms protection: battery management systemare incorporated to protect battery from
- Over charging, over discharging, short circuit
- Light weight: dry power lithium batteries has higher energy density, wh/kg also being up to 1/3 of sla battery
- Wide operating temperature range: suitable for users in a wider range of application where Ambient temperature is unusually high: up to +60°C
- Steady output voltage, vibration & shock resistant, no memory effect, pressure resistant cells

VCLB-(1.2-5.1)K-100/200-Li
Rechargeable lithium-ion battery



Specification

Model	VCLB-1.2K-100-Li	VCLB-2.5K-200-Li	VCLB-3.8K-300-Li	VCLB-2.5K-100-Li	VCLB-5.1K-200-Li
Electrical specification					
Nominal voltage	12.8V	12.8V	12.8V	25.6V	25.6V
Nominal capacity	100AH	200AH	300AH	100AH	200AH
Capacity @20A	5HR	10HR	15HR	5HR	10HR
Energy	1280WH	2560WH	3840WH	2560WH	5120WH
Resistance	≤20mΩ	≤20mΩ	≤20mΩ	≤50mΩ	≤50mΩ
Efficiency	99%				
Self discharge	<3% permonth				
Discharge specification					
Max. cont.discharge	100A	200A	200A	100A	200A
Peak dischargecurrent	200A	400A	400A	200A	400A
Discharge cut-off voltage	10.8V	10.8V	10.8V	21.6V	21.6V
Charge specification					
Recommended chargecurrent	50A	100A	150A	50A	100A
Max. chargecurrent	100A	200A	200A	100A	200A
Max chargevoltage	14.6V	14.6V	14.6V	29.2V	29.2V
Charge current (-20 to-10°C)	≤0.05°C				
Mechanical specification					
Dimensions(L*W*H)	260*168*211mm	484*168*240mm	384*194*255mm	484*168*240mm	520*267*220mm
Weight	7.5kg	22kg	28kg	22kg	37kg
Terminal type	M8 Screw				
Case material	ABS case				
Enclosure protection	IP65				
Cell type	Square AluminumCase				
Temperature specification					
Discharge temperature	-20 to60°C				
Charge temperature	0 to55°C				
Storage temperature	-20 to40°C				
BMS Hightemperature	80°C				
Reconnect temperature	50°C				

