

Features

VPC (Vina Pulse Capacitor) Module

- Low Self Discharge

- High Operating Voltage
- Wide Operating Temperature Range

- High Capacitance

Specification

Draft

Item	Spec. value		Test methods
Operating Voltage Range	68.4V to 45V (3.8V to 2.5V/ CELL)		
Operating Temp. Range	-20 ~ 60°C		
Load Life @ 70°C	Capacitance : ± 30% of initial value ESR : Less than 200% of initial spec. Appearance : No abnormality	Temperature: 70±2°C Time : 1,000 hours Voltage : 68.4V and measure the floating charge characteristics after returning to normal temperature and humidity.	
Heat cycle characteristics		Temperature: 85±2°C, -40±2°C Duration: 30 min Cycle Numbers: 10 cycles	
Cycle Life		Temperature : 25±2°C Cycle Number : 5,000 Discharge Current : 10 C-rate Cut-off Voltage : 2.5V (DOD 100%)	
Low Temperature characteristics	Capacitance : ± 50% of initial value ESR : Less than 20 times of initial spec.	The specification shall be met lower category temperature range of -25°C	
CELL monitoring (CMS)	CAN interface, Cell balancing, OVP, OTP		
Weight	18.6 Kg		
POWER & ENERGY	Available Energy (kWh)	519.71	
	Energy Density (kWh/m ³)	27,353.39	

Part Number	Rated Voltage (V)	Rated Capacitance (F)	ESR _{DC} (mΩ)	Rated Current (A)	Pulse Current (A)	Size (mm) W x L x H
VPM68R4138QG	68.4 Cut-off Voltage 45V	1388.88 @ 25°C #1	9.755 @ 25°C 100msec	30 @ 25°C	200 @ 25°C #2	-

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Drawing

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