

UFSC48-3.6/100

FEATURES

- Graphene supercapacitor cells
- Safest technology
- Ultra-long cycle life
- Extreme temperature
- Highest energy transfer efficiency
- Easy to install
- Rarely maintenance



Part Number	22133VG
Energy storage	3.6kWh
Nominal Voltage	48V/DC
Maximum Charge Voltage	58V/DC
Discharge Cut-off Voltage	37.8V/DC
ESR/AC @1KHz 50% SOC	<15mΩ
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	100A
Power/Energy	1.38
Round Trip Efficiency*1	95%
Cells Self-discharge Rate	2% per month
Projected Cycle Life (25°C)	20,000 times
Recommended Depth of Discharge	≤90%
Maximum Depth of Discharge	100%
Cooling Method	Natural
Shell Material	Metal & ABS plastic
Parallel Connection	Up to 10sets
Monitoring Data	System voltage, current, temperature, SOC, SOH, cycle, cell's voltage

Remark: *1 (1) At room temperature 25 °C, charge-discharge at 100A. (2) Limited charge at 100A for resident energy storage, (3) At the beginning of life.

COMPLIANCE INFORMATION

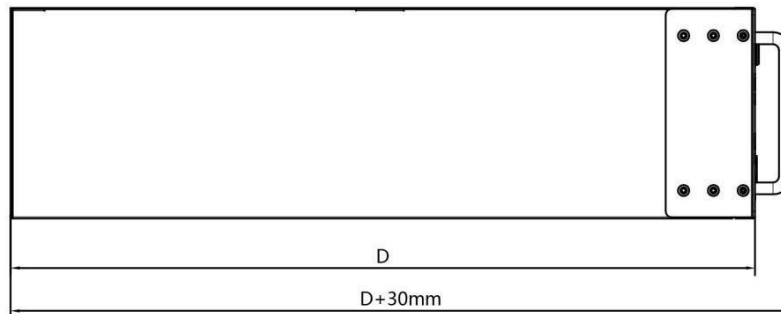
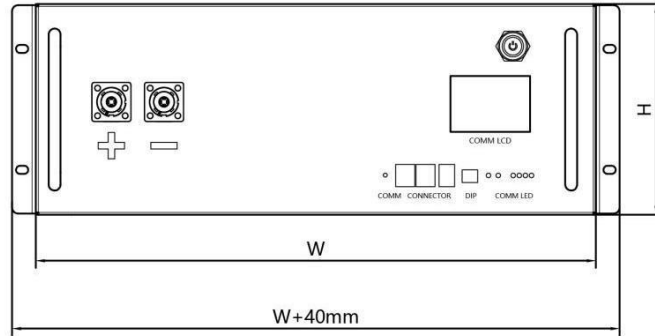
Safety	IEC62619
Transport	UN38.3, MSDS
CE	EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013
Environmental	RoHS

ENVIRONMENTAL SPECIFICATIONS

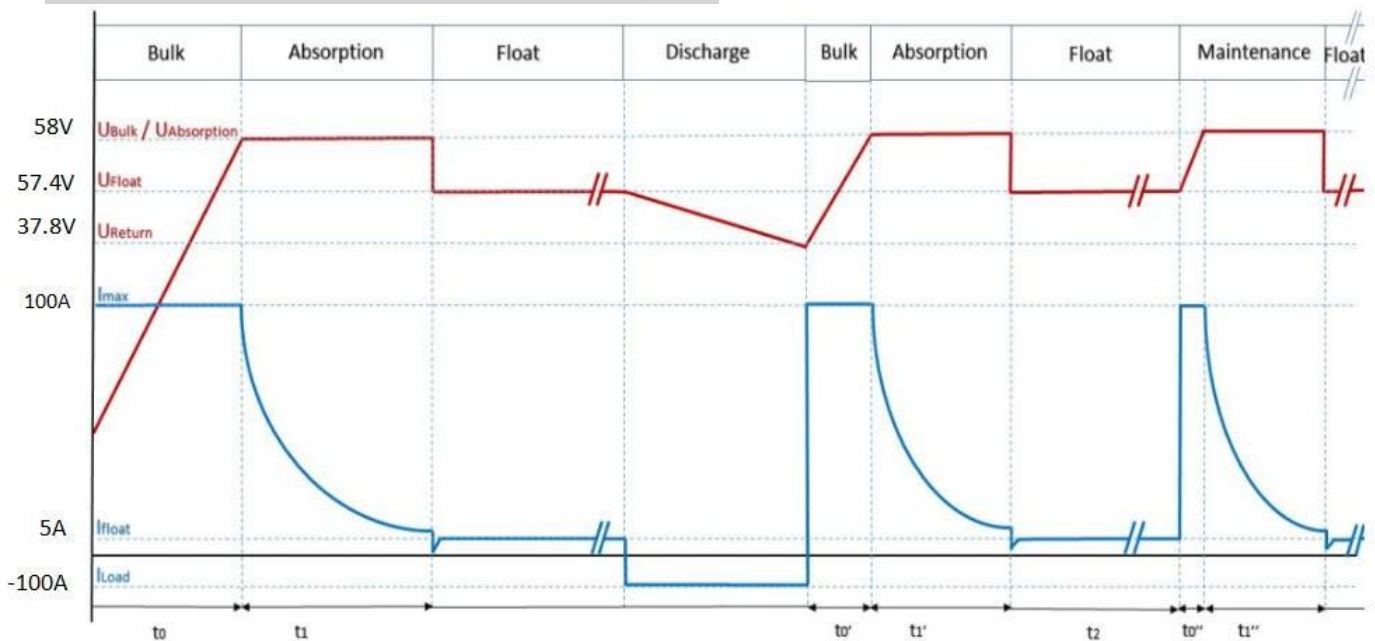
Environmental Protection	IP20
Operating Humidity	0~90% RH Non-condensing
Charge Temperature	0°C ~ +55°C
Discharge Temperature	-20°C ~ +60°C
Storage Conditions	-20°C ~ +40°C, 25% ~ 95% RH SOC>30% one full charge needed per two months

UFLEX SUPER CAPACITOR ENERGY STORAGE MODULE

MECHANICAL SPECIFICATIONS	
Part Number	22133VG
Weight	42Kg
Dimensions (W x D x H)	475 x 465 x 177(mm)
Mount Options	On floor



CHARGING-DISCHARGING CURVE



Note: If the charger needs to set the floating charge voltage, it is recommended to set the UFloat value to 57.4V.