

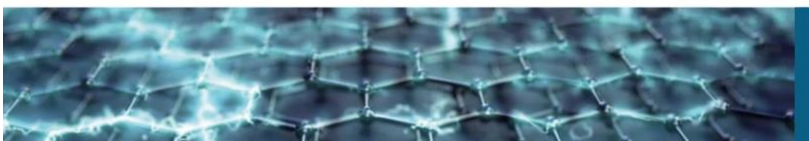


### EFFICIENT

- Highly Efficient: > 95% RTE (Round Trip Efficiency)
- 100% DOD (Depth of Discharge)
- 500,000 Cell Life Cycles

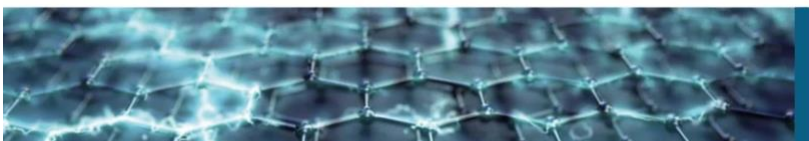
### SAFE & RELIABLE

- Wide Operating Temperature Range
- Deployable in Various Environments including High Altitudes
- No Thermal Runaway Risk





<b>PERFORMANCE SPECIFICATIONS</b>	
DC Energy	10 kWh
Voltage Range	22Vdc to 29Vdc
DC Voltage (Nominal)	24Vdc
Internal Resistance	< 4 milli Ohms
<b>CELL SPECIFICATIONS</b>	
Technology	Encapsulated Cell
Nominal Cell Voltage	6.4 ~6.6Vdc / Cell (Encapsulated) 1/2 + 0.12V Envelope
<b>CHARGE CHARACTERISTICS</b>	
Maximum Continuous Charge Current	50A (~0,5C)
Charging Method	CC/CP/VP
<b>DISCHARGE SPECIFICATIONS</b>	
Maximum Continuous Discharge Current	50A (~0,5C)
Discharging Method	CC/CP/VP
<b>MODULE ENVIRONMENTAL SPECIFICATIONS</b>	
Operating Temperature Range	-20°C~ +55°C
Operating Humidity	Non-Condensing





### MECHANICAL SPECIFICATIONS

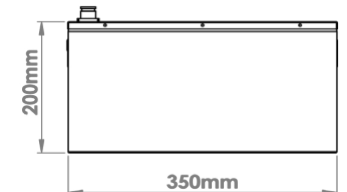
Dimensions <sup>1</sup> (W x H x D) mm	350 x 200 x 250
Weight (kg)	20
Module Casing Material	GI Powered
Terminal Type	150A Terminal Post

### SMART FEATURES (WITH AVENCONTROL<sup>2</sup>)

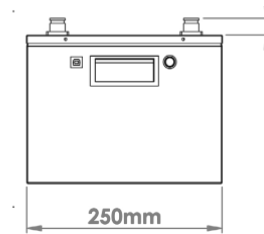
Alarm <sup>2</sup>	Warning alarm in the event of Over/under-Voltage, Over- Current, Over Temperature
OLED Display <sup>2</sup>	Monitoring Total Voltage, Individual Cell Voltages, Current, Temperatures, SOC and Energy Consumed
Communication <sup>2</sup>	WIFI / Bluetooth

### SAFETY PERFORMANCE

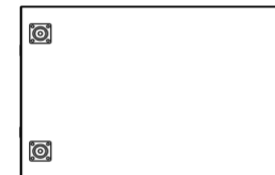
Short Circuit Protection	Electronic Switching, Terminal Cut-off
Over/under Voltage	Electronic Switching, Terminal Cut-off
Over Current	Electronic Switching, Terminal Cut-off
Over Temperature	Electronic Switching, Terminal Cut-off



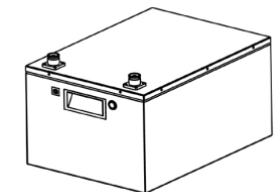
FRONT VIEW



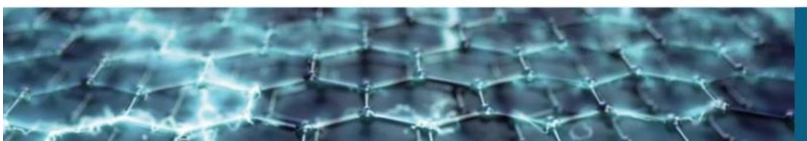
SIDE VIEW



TOP VIEW



ISOMETRIC VIEW





### SERVICE LIFE

Cells Protected Cycle Life <sup>3</sup>	500,000 cycles
Cells Projected Calendar Life <sup>4</sup>	25 years
Module Projected Shelf Life <sup>5</sup>	10 years
Warehousing	Can be stored at any SOC without affecting cycle life

### PRECAUTIONS

Alarm	In case of alarm, immediately rectify/attend to the cause of the alarm
Physical Damage	In case the Module is physically damaged due to any event, do not install and energize the Module under any circumstances and contact your Reseller or After Sales Support.
Short Circuit	Ensure precautions to prevent short-circuit under all circumstances.
Galvanic Isolation	When connecting to external devices ensure that galvanic isolation of the external device(s) does not exceed 1000V
Parallel Connection	All Modules must be at 100% SOC before connecting in parallel. There is no limit on the number of Modules that can be connected in parallel.
Series-Parallel Connection	Modules cannot be connected in series-parallel combination under any circumstances.

### Notes

<sup>1</sup>Product Dimensions are for reference only and may change without notice.

<sup>2</sup>The AVENCONTROL tool is an OLED display designed for Module monitoring. Please note, SMART FEATURES are not part of this Module and require separate purchase of AVENCONTROL tool

<sup>3</sup>Projected life of encapsulated cells.

<sup>4</sup>Projected Calendar life of encapsulated cells from the date of first operation.

<sup>5</sup>Shelf life is the life of the Module (in years) from the date it is manufactured to the time it is first operated.

- Additional terms and conditions, including a limited warranty, will apply at the time of purchase.
- For critical applications, please contact your Reseller or After Sales Support.

