



SUPERNOVA 300 Wh 12V
 ZEM1230030CNAR
 ENERGY STORAGE MODULE FOR TELECOM & OFF
 - GRID SYSTEM

Imported and Distributed by:
SEVERON

TECHNICAL DATASHEET

PERFORMANCE	Voltage (Nominal)	12 V
	Maximum Charge Voltage	16.8 V
	Discharge Cut-Off Voltage	10.8 V
	Total Energy	300 Wh
	Continuous Discharge Current	20 A
	Peak Discharge Current	30 A (5 Sec)
	Continuous Charge Rate	20 A
	Cut Off Current	1 A
PHYSICAL SPECS	Weight	2.25 kg's
	Terminal Type	Screw
	Dimensions (L x W x H)	222 x 92 x 175 mm
SERVICE LIFE	Projected Calendar Life	>30 Years
	Shelf Life	20 Years
SAFETY PERFORMANCE	Over / under voltage	Unit Shut Down
	Overcurrent	Unit Shut Down
ENVIROMENT	Cell Operating Temperature	- 20 C to 65 C
	Operating Humidity	Non Condensing
ADDITIONAL	Parallel Connection	Possible (Available on request)
	Series Connection	Possible (Available on request)
	Self Discharge	2 - 3 % per month
	Recommended Discharge Depth	90%

PROTECTIONS

Cell Balancing	Passive	Passive Balancing
Short Circuit Protection	Yes	Auto Reset
Charging Cut Off Voltage	16.8 V	Charging Disconnected
Discharge Protection Voltage	10.8 V	Load Disconnected

COMPLIANCE

Compliance	EN55032:2015, EN55024:2010, EN61000-4-2:2009, EN61000-4-3:2006+A1:2008+A2:2010
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The temperature range indicates the range in which the battery cells can operate. The performance of the cells may vary if they are continuously operated outside a temperature range of -20°C to 60°C, and/or at Crates higher than the maximum charge/discharge rate specified in this specification sheet.

C rating of charge and discharge will be subjected within specified (35 degree C) range. Other C ratings can be provided with different temperatures.

Projected life of cells. Cycle life will vary if cycled more than 4 times a day. Additional terms and conditions, including a limited warranty, will apply at the time of purchase.

(2) Projected Calendar life of cells from the date of first operation.

Note:

Specifications subject to change without prior notice.

