

DATASHEET
SLC 9-12H
12V 9AH

AGM SEALED VRLA BATTERY
LONG LIFE 10-12 YEARS OF EXPECTED LIFETIME

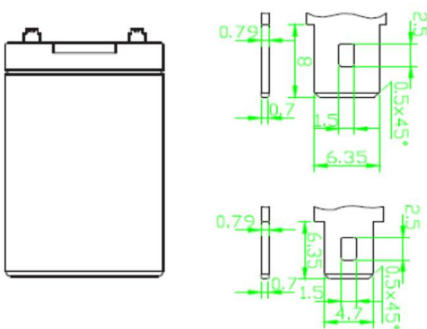
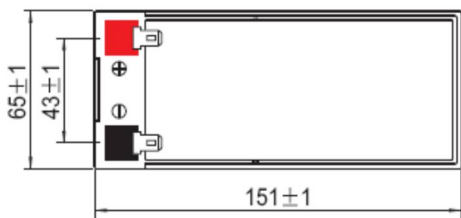
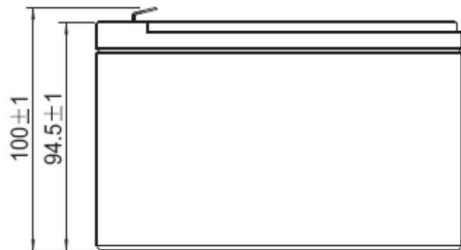
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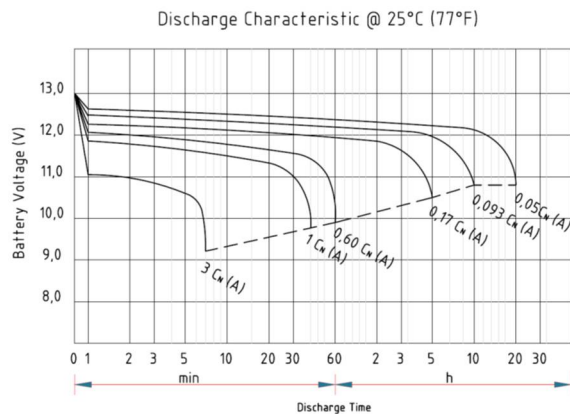
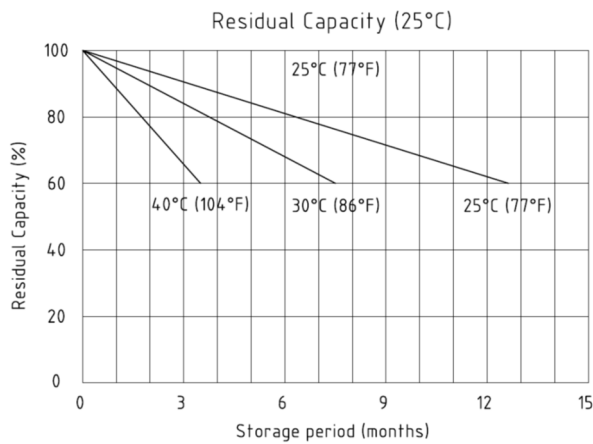
SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	9Ah	
Terminal	T2	
Approx. Weight	Approx 2,75 kg (6,06 lbs)	
Container Material	ABS	
Dimensions	Length	151 ± 1 mm (5,95 inches)
	Width	65 ± 1 mm (2,56 inches)
	Container Height	94,5 ± 1 mm (3,72 inches)
	Total Height (with terminal)	100 ± 1 mm (3,94 inches)
Rated Capacity	9 Ah	(20 hr, 1,80 V/cell, 25°C/77°F)
	8,2 Ah	(10 hr, 1,80 V/cell, 25°C/77°F)
	7,7 Ah	(5 hr, 1,75 V/cell, 25°C/77°F)
	5,8 Ah	(1 hr, 1,60 V/cell, 25°C/77°F)
Max. Discharge Current	135 A (5 s)	
Internal Resistance	Approx 18,0 mΩ	

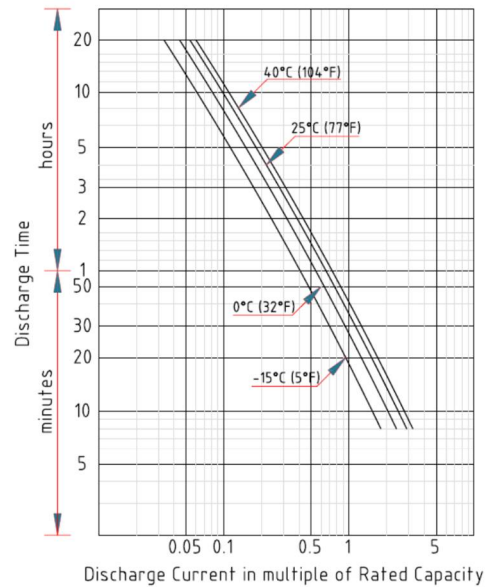
Operating Temperature	Discharge	-20 ÷ 60°C (-4 ÷ 140°F)
	Charge	-10 ÷ 60°C (14 ÷ 140°F)
	Storage	-20 ÷ 60°C (-4 ÷ 140°F)

Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
Cycle Use	Initial Charging Current less than 1,8 A Voltage 14,4 ÷ 15,0V at 25°C (77°F) Temperature Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage 13,5 ÷ 13,8 V at 25°C (77°F) Temperature Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103% 25°C (77°F) 100% 0°C (32°F) 86%
Self discharge	Enerpower SLC series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



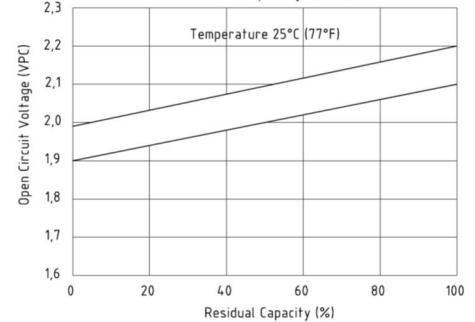


Duration of Discharge vs. Discharge Current



Discharge Current in multiple of Rated Capacity

Relationship for Open Circuit Voltage & Residual Capacity (25°C)



Constant Current Discharge (Amperes) at 25°C (77°F)

F.V / Time	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h					
1,80V / cell	29,6	21,0	13,9	8,45	5,51	2,14	1,53	0,820	0,440					
1,75V / cell	30,3	22,1	14,6	8,91	5,66	2,20	1,54	0,820	0,450					
1,70V / cell	30,9	22,9	16,1	9,36	5,71	2,25	1,55	0,840	0,460					
1,65V / cell	32,1	23,6	16,5	9,79	5,75	2,29	1,56	0,860	0,460					
1,60V / cell	33,0	24,2	17,0	9,90	5,80	2,33	1,60	0,870	0,470					

Constant Power Discharge (Watts) at 25°C (77°F)

F.V / Time	5 min	10 min	15 min	30 min	45min	1 h	2h	3 h	5 h					
1,80V / cell	58,00	39,20	28,40	16,60	12,20	10,40	5,77	3,92	2,85					
1,75V / cell	61,40	41,10	30,20	17,60	12,90	10,70	5,94	4,08	2,92					
1,70V / cell	64,80	42,90	31,10	18,50	13,70	11,00	6,08	4,20	2,98					
1,65V / cell	68,30	44,30	33,10	19,10	14,20	11,20	6,23	4,29	3,04					
1,60V / cell	71,70	44,80	33,60	19,60	14,50	11,50	6,30	4,34	3,10					


ENERPOWER S.R.L.

UFFICI e DEPOSITO: Via Boccioni, 7 - 20900 MONZA (MB)

 Tel. +39 (039)-832152 Fax +39 (039)-2230441 E-mail : info@enerpowersrl.com – <https://www.enerpowersrl.com>