

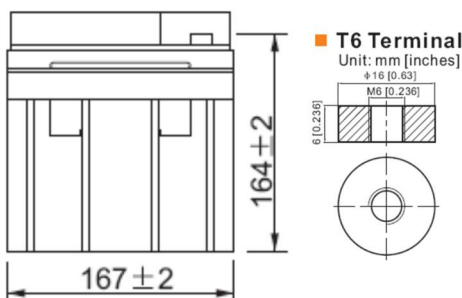
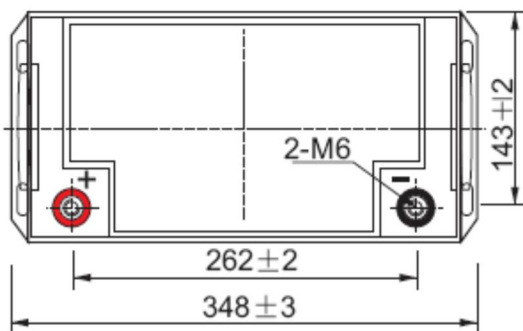
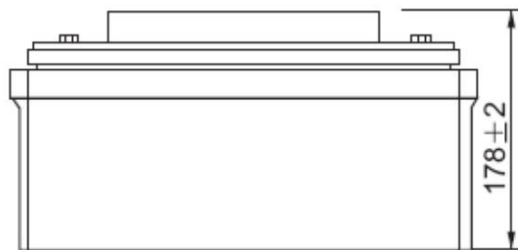
DATASHEET
SLC 65-12
12V 65AH

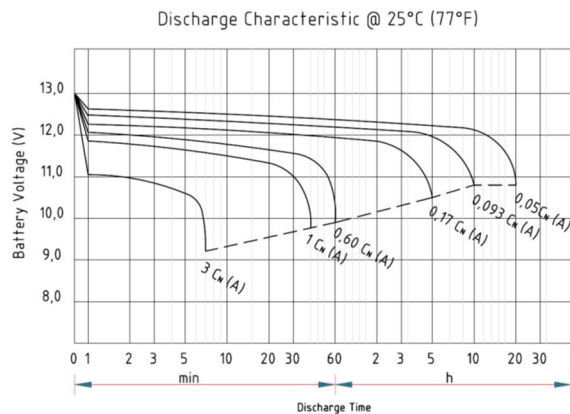
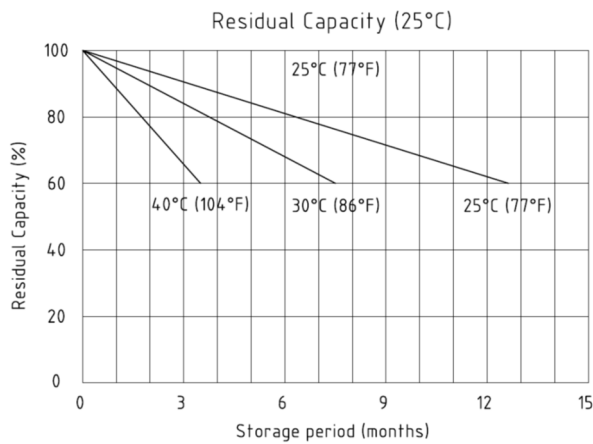
AGM SEALED VRLA BATTERY
LONG LIFE 10-12 YEARS OF EXPECTED LIFETIME
(EUROBAT)
SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	65Ah	
Terminal	M6	
Approx. Weight	Approx 19,2 kg (42,3 lbs)	
Container Material	ABS	
Dimensions	Length	348±3 mm (13,70 inches)
	Width	167±2 mm (6,57 inches)
	Container Height	178±2 mm (7,01 inches)
	Total Height (with terminal)	178±2 mm (7,01 inches)
Rated Capacity	68 Ah / 3,4A	(20 hr, 1,80 V/cell, 25°C/77°F)
	65 Ah / 6,5A	(10 hr, 1,80 V/cell, 25°C/77°F)
	56 Ah / 11,2A	(5 hr, 1,75 V/cell, 25°C/77°F)
	48,9 Ah / 16,3A	(3 hr, 1,75 V/cell, 25°C/77°F)
	41,6 Ah / 41,6A	(1 hr, 1,60 V/cell, 25°C/77°F)
Max. Discharge Current	780,0 A (5 s)	
Internal Resistance	Approx 7,3 mΩ	

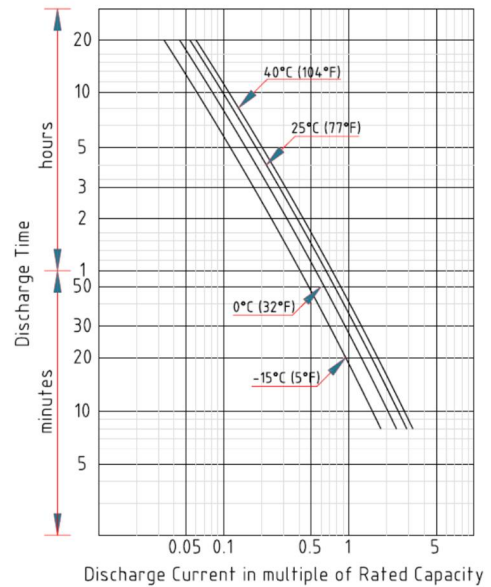
Operating Temperature	Discharge	-15 ÷ 50°C (5 ÷ 122°F)
	Charge	0 ÷ 40°C (32 ÷ 104°F)
	Storage	-15 ÷ 40°C (5 ÷ 104°F)

Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 13 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.	



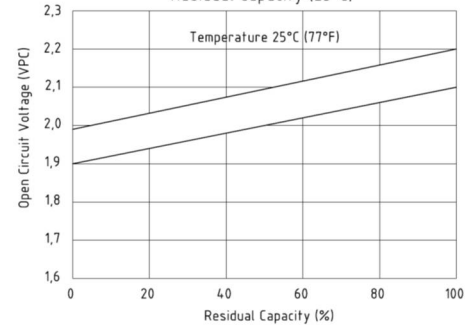


Duration of Discharge vs. Discharge Current



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	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	91,7	79,0	68,6	53,2	40,2	32,6	19,7	15,0	12,3	10,5	9,20	7,44	6,26	3,35
1,80V / cell	107,3	89,9	77,2	58,3	43,5	34,9	21,0	15,8	12,9	11,0	9,59	7,74	6,50	3,40
1,75V / cell	117,0	98,2	82,7	62,5	46,2	36,9	21,9	16,3	13,2	11,2	9,78	7,86	6,57	3,44
1,70V / cell	126,4	104,8	87,8	65,3	48,1	38,5	22,6	16,8	13,6	11,5	9,98	7,97	6,63	3,48
1,67V / cell	131,25	108,1	90,3	66,9	49,2	39,25	22,9	17	13,7	11,6	10,09	8,03	6,67	3,50
1,65V / cell	136,1	111,4	92,8	68,5	50,3	40,0	23,2	17,2	13,8	11,7	10,20	8,09	6,70	3,52
1,60V / cell	146,6	119,2	97,7	71,9	52,3	41,6	23,9	17,6	14,1	11,9	10,30	8,20	6,79	3,54

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

F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	189,01	163,50	142,19	110,24	83,19	67,35	40,16	30,54	25,00	21,27	18,59	15,04	12,72	6,80
1,80V / cell	223,58	187,62	161,46	121,78	90,57	72,55	43,10	32,29	26,24	22,26	19,45	15,67	13,14	6,88
1,75V / cell	246,96	207,08	174,54	131,64	96,91	77,28	45,16	33,44	26,98	22,76	19,80	15,91	13,26	6,93
1,70V / cell	270,08	223,35	187,15	138,55	101,59	81,19	46,76	34,40	27,60	23,23	20,16	16,04	13,38	6,98
1,67V / cell	283,20	232,80	190,10	142,90	104,30	83,10	47,60	34,90	27,90	23,50	20,30	16,10	13,50	7,04
1,65V / cell	293,99	239,93	199,70	146,50	106,80	84,56	48,09	35,36	28,21	23,70	20,51	16,37	13,55	7,07
1,60V / cell	317,30	257,24	210,84	153,91	111,02	88,02	49,62	36,19	28,79	24,17	20,88	16,50	13,62	7,08