

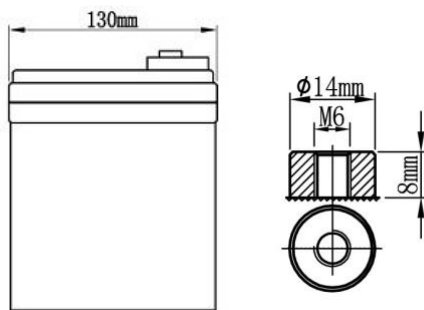
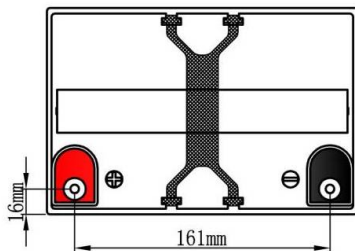
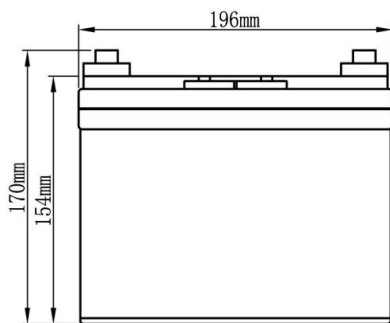
**DATASHEET**
**SLC 33-12**
**12V 33AH**

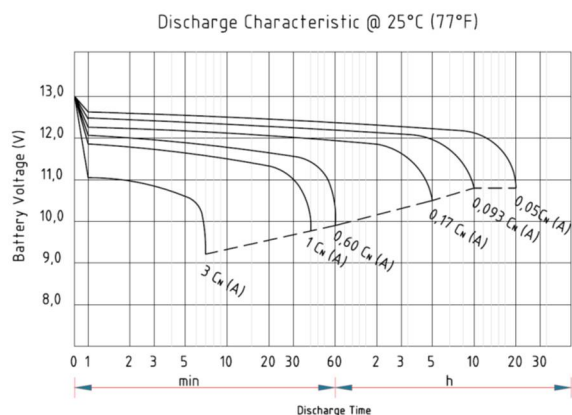
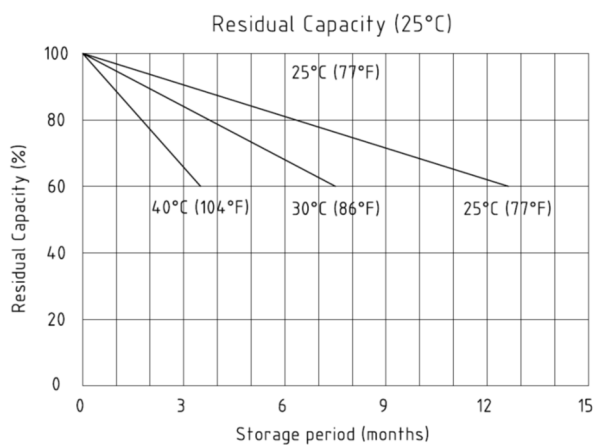
**AGM SEALED VRLA BATTERY**
**LONG LIFE 10-12 YEARS OF EXPECTED LIFETIME**

(EUROBAT)

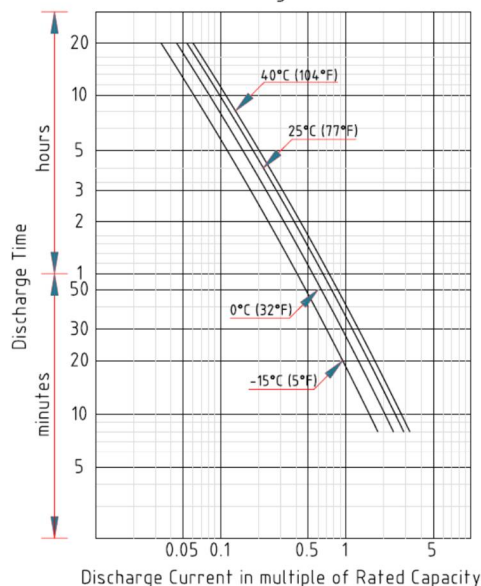
**SPECIFICATIONS**

Nominal Voltage	12V	
Nominal Capacity	33Ah	
Terminal	T20	
Approx. Weight	Approx 10 kg (22 lbs)	
Container Material	ABS	
Dimensions	Length	196 ± 2 mm (7,68 inches)
	Width	130 ± 2 mm (5,12 inches)
	Container Height	154 ± 2 mm (6,06 inches)
	Total Height (with terminal)	170 ± 2 mm (6,69 inches)
Rated Capacity	34,4 Ah / 1,65A	(20 hr, 1,80 V/cell, 25°C/77°F)
	33 Ah / 3,30A	(10 hr, 1,80 V/cell, 25°C/77°F)
	27,55 Ah / 5,61A	(5 hr, 1,75 V/cell, 25°C/77°F)
Max. Discharge Current	495,0 A (5 s)	
Internal Resistance	Approx 8,0 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 6,6 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.	



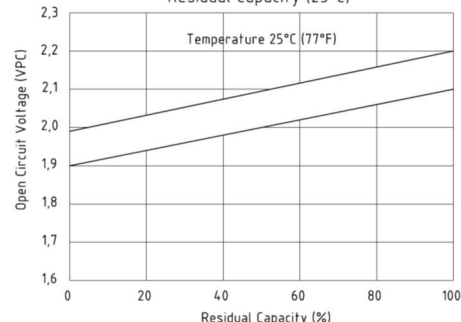


Duration of Discharge vs. Discharge Current



Discharge Current in multiple of Rated Capacity

Relationship for Open Circuit Voltage &amp; 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	48,3	40,0	34,6	26,7	19,69	16,6	9,81	7,68	6,24	5,09	4,42	3,56	2,98	1,63
1,80V / cell	61,7	48,3	40,9	31,5	22,90	18,6	10,70	8,26	6,67	5,46	4,74	3,78	3,07	1,65
1,75V / cell	67,8	52,8	44,0	32,7	23,80	19,4	11,10	8,42	6,81	5,61	4,87	3,84	3,15	1,67
1,70V / cell	73,9	56,3	46,2	34,1	24,70	20,1	11,40	8,65	7,00	5,75	4,97	3,90	3,21	1,70
1,67V / cell	76,8	58,1	47,7	35,0	25,0	20,3	11,50	8,84	7,12	5,83	5,03	3,93	3,25	1,71
1,65V / cell	79,7	59,9	49,1	35,9	25,30	20,5	11,60	9,02	7,24	5,91	5,08	3,96	3,28	1,72
1,60V / cell	86,5	64,1	52,3	38,0	26,40	20,7	12,00	9,29	7,46	6,11	5,19	4,00	3,32	1,73

### 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	95,96	79,82	69,34	53,80	39,65	33,36	19,62	15,27	12,35	10,08	8,73	7,05	5,90	3,24
1,80V / cell	123,47	96,63	81,92	63,35	46,34	37,59	21,45	16,40	13,22	10,83	9,35	7,47	6,08	3,26
1,75V / cell	136,12	105,97	88,59	65,98	48,13	39,44	22,22	16,72	13,49	11,07	9,60	7,60	6,25	3,29
1,70V / cell	147,94	113,47	93,74	69,22	50,36	40,97	22,86	17,30	13,85	11,41	9,82	7,72	6,38	3,35
1,67V / cell	154,80	117,90	95,80	71,50	51,30	41,40	23,30	17,60	13,90	11,60	9,90	7,80	6,40	3,37
1,65V / cell	161,05	121,74	100,19	73,19	51,54	41,90	23,40	17,99	14,31	11,65	10,02	7,83	6,51	3,39
1,60V / cell	172,55	129,14	106,44	77,12	53,70	42,28	24,23	18,46	14,76	12,08	10,18	7,91	6,58	3,40


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