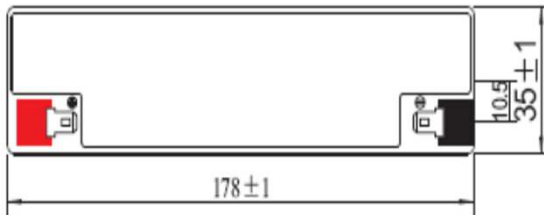
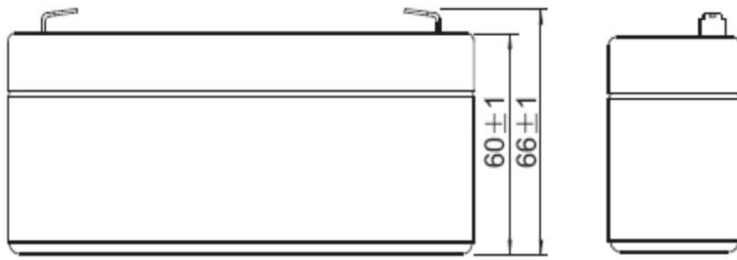
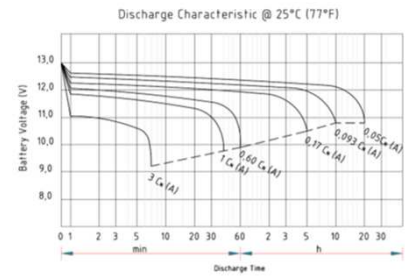
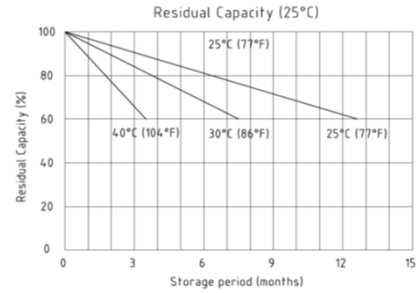
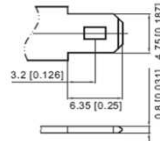


GENERAL PURPOSE BATTERIES

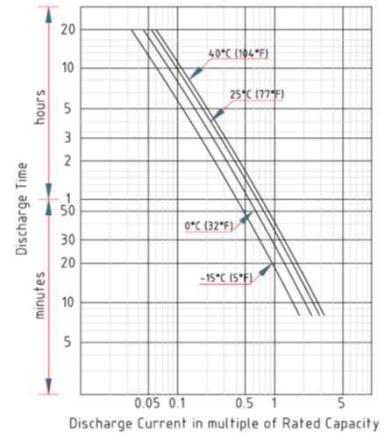


T1 Terminal

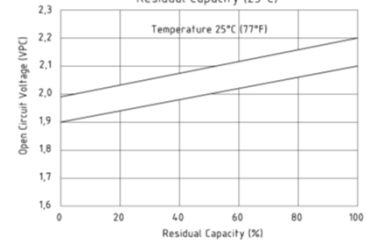
Unit: mm (inches)



Duration of Discharge vs. Discharge Current



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



Specification

Nominal Voltage	12 V	
Nominal Capacity (20 Hr)	2,3 Ah	
Dimension	Length	178±1 mm (7,00 inches)
	Width	35±1 mm (1,38 inches)
	Container Height	60±1 mm (2,36 inches)
	Total Height (with terminal)	66±1 mm (2,60 inches)
Approx Weight	Approx 1,0 kg (2,21 lbs)	
Terminal	T1	
Container Material	ABS	
Rated Capacity	2,3 Ah / 0,115A	(20 hr, 1,80 V/cell, 25°C/77°F)
	2,14 Ah / 0,214A	(10 hr, 1,80 V/cell, 25°C/77°F)
	1,955 Ah / 0,391A	(5 hr, 1,75 V/cell, 25°C/77°F)
	1,77 Ah / 0,59A	(3 hr, 1,75 V/cell, 25°C/77°F)
	1,44 Ah / 1,44A	(1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	34,5 A (5 s)	
Internal Resistance	Approx 90,0 mΩ	
Operating Temperat. Range	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 0,46 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	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.	

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	3,36	2,79	2,41	1,86	1,37	1,16	0,68	0,54	0,44	0,355	0,308	0,248	0,207	0,114
1,80V / cell	4,30	3,37	2,85	2,20	1,60	1,30	0,75	0,58	0,46	0,381	0,330	0,263	0,214	0,115
1,75V / cell	4,72	3,68	3,06	2,28	1,66	1,36	0,77	0,59	0,47	0,391	0,339	0,268	0,220	0,116
1,70V / cell	5,15	3,93	3,22	2,37	1,72	1,40	0,79	0,60	0,49	0,401	0,346	0,272	0,224	0,118
1,67V / cell	5,35	4,05	3,32	2,44	1,75	1,42	0,80	0,62	0,50	0,407	0,350	0,274	0,227	0,119
1,65V / cell	5,55	4,17	3,42	2,51	1,77	1,43	0,81	0,63	0,50	0,412	0,354	0,276	0,229	0,120
1,60V / cell	6,03	4,46	3,64	2,65	1,84	1,44	0,84	0,65	0,52	0,426	0,362	0,279	0,231	0,121

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	6,69	5,56	4,83	3,75	2,77	2,32	1,37	1,06	0,86	0,70	0,61	0,49	0,41	0,23
1,80V / cell	8,61	6,74	5,71	4,41	3,22	2,62	1,49	1,15	0,92	0,75	0,65	0,52	0,42	0,23
1,75V / cell	9,48	7,39	6,18	4,60	3,36	2,75	1,55	1,17	0,94	0,77	0,67	0,53	0,43	0,23
1,70V / cell	10,32	7,91	6,54	4,83	3,51	2,85	1,59	1,20	0,96	0,79	0,68	0,54	0,44	0,23
1,67V / cell	10,79	8,22	6,68	4,98	3,58	2,88	1,61	1,23	0,97	0,80	0,69	0,54	0,45	0,23
1,65V / cell	11,22	8,49	6,99	5,10	3,59	2,92	1,61	1,26	1,00	0,81	0,70	0,55	0,45	0,24
1,60V / cell	12,02	9,00	7,42	5,37	3,74	2,95	1,68	1,29	1,03	0,84	0,71	0,55	0,46	0,24