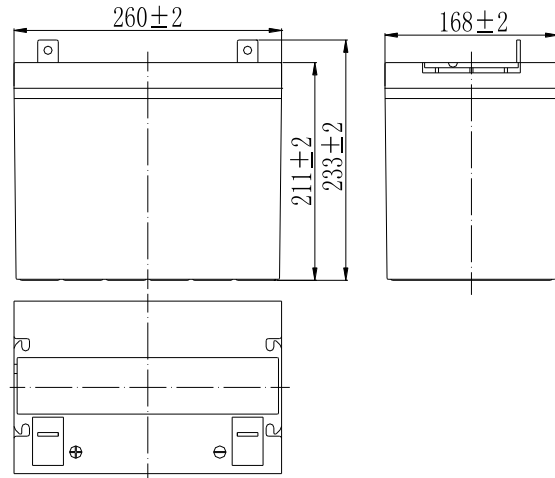
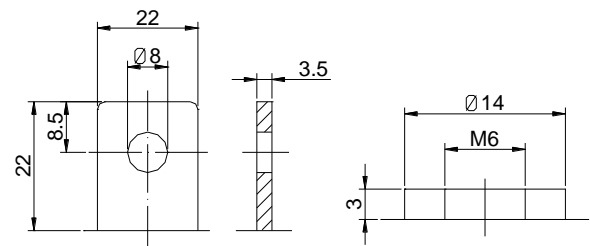


Technical Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	75 Ah
	5HR(10.5V)	65Ah
	1HR(9.60V)	46.5Ah
Dimension	Length	260mm ± 2 (10.24inch)
	Width	168mm ± 2 (6.61inch)
	Height	211mm ± 2 (8.31inch)
	Total Height	T5: 233 ± 2mm (9.17inch) T9: 214 ± 2mm (8.43inch)
Approx. Weight		22.5kg (49.6lbs) ± 4%
Terminal Type		T5/T9
Internal Resistance (Fully Charged, 25°C)		Approx. 6m Ω
Capacity affected by Temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining Capacity: 91%
	6 months	Remaining Capacity: 82%
	12 months	Remaining Capacity: 65%
Nominal Operating Temperature		25°C ± 3°C (77°F ± 5°F)
Operating Temperature Range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float Charging Voltage (25°C)		13.50 to 13.80V Temperature Compensation: -18mV/°C
Cyclic Charging Voltage (25°C)		14.50 to 14.90V Temperature Compensation: -30mV/°C
Maximum Charging Current		22.5A
Terminal Material		Copper
Maximum Discharge Current		750A (5 sec.)
Designed Floating Life (25°C)		10 years

Physical Dimensions

Battery Terminal


Terminal T5

Terminal T9

- ◆ Absorbent Glass Mat Technology
- ◆ Recognised by UL & CE
- ◆ ABS Container
(Flame Retardant Casing Optional - FEL1275FR)

Constant Current Discharge Characteristics (Ampere, 25°C)

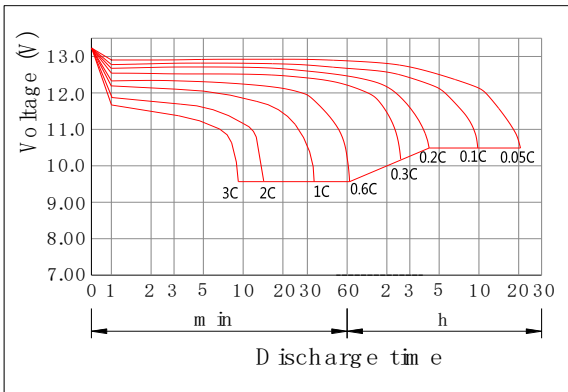
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	90min	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
9.60V	236	158	124	101	75.0	56.3	46.5	34.5	27.4	19.1	15.7	13.4	11.7	9.18	7.64	4.01
9.90V	229	153	121	98.8	73.5	55.1	45.8	34.3	27.2	19.0	15.6	13.3	11.6	9.13	7.62	4.00
10.2V	220	146	116	95.2	71.3	53.4	44.6	34.0	27.0	18.9	15.5	13.2	11.6	9.06	7.60	3.99
10.5V	210	140	112	91.9	69.5	52.1	43.8	33.5	26.6	18.8	15.4	13.1	11.5	9.00	7.55	3.97
10.8V	198	132	106	87.1	67.0	50.2	42.4	33.1	25.9	18.2	14.9	12.7	11.1	8.73	7.50	3.94

Constant Power Discharge Characteristics (Watt, 25°C)

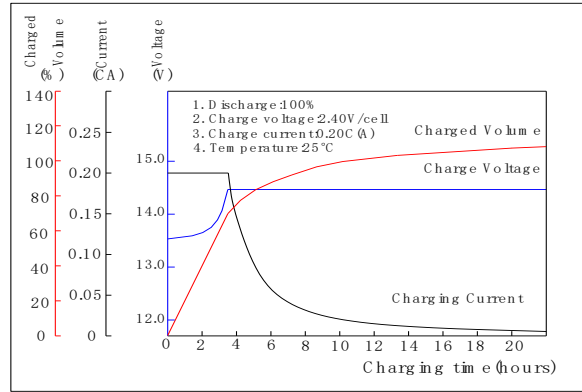
F.V/TIME	5min	10min	15min	20min	30min	45min	60min	90min	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
9.60V	2481	1701	1359	1112	842	631	530	393	317	225	184	158	138	109	91.2	48.1
9.90V	2406	1650	1326	1085	825	619	522	391	315	224	183	157	138	108	91.0	48.0
10.2V	2307	1582	1277	1045	799	600	509	387	313	222	182	156	137	108	90.7	47.9
10.5V	2208	1514	1234	1009	780	585	499	382	308	221	181	155	136	107	90.2	47.6
10.8V	2084	1429	1169	956	751	564	483	378	300	214	175	150	132	104	89.6	47.3

Note: The above characteristics data can be obtained within three charge/discharge cycles.

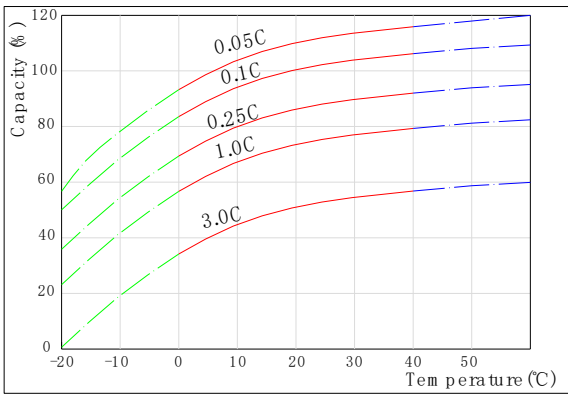
Discharge Characteristics (25°C)



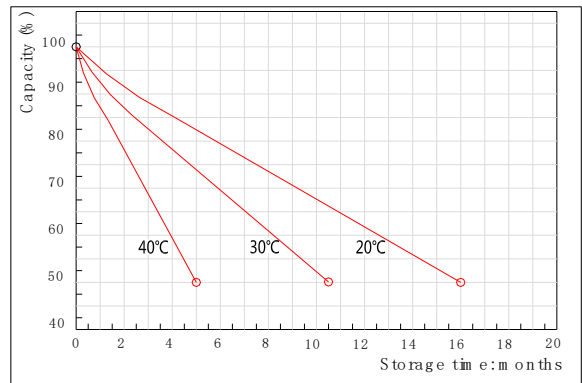
Charging Characteristics (25°C)



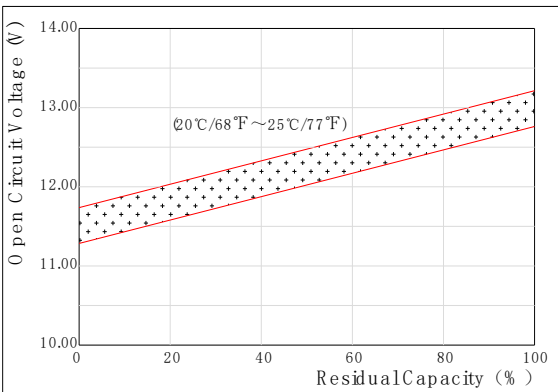
Effect of Temperature on Capacity



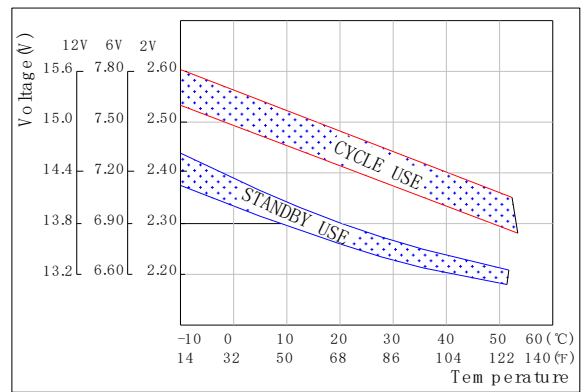
Self-discharge Characteristics



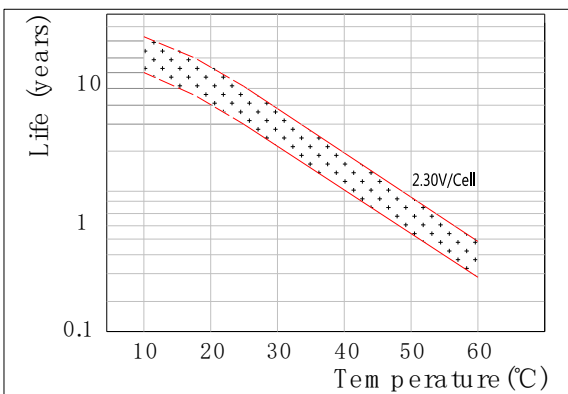
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D. (25°C)

