



Battery Specification Sheet

SLA1165

Technical Specifications

Nominal Voltage	12 V
Nominal Capacity	55 Ah
Chemistry	Lead Acid - AGM

Physical Specifications

Length:	229 mm	9.02 in.
Width:	138 mm	5.43 in.
Height	205 mm	8.07 in.
Height w/term:	226 mm	8.9 in.
Weight	16.5 Kg	36.3 lbs
Terminal Type	FLAG	
Case Material	Black ABS	

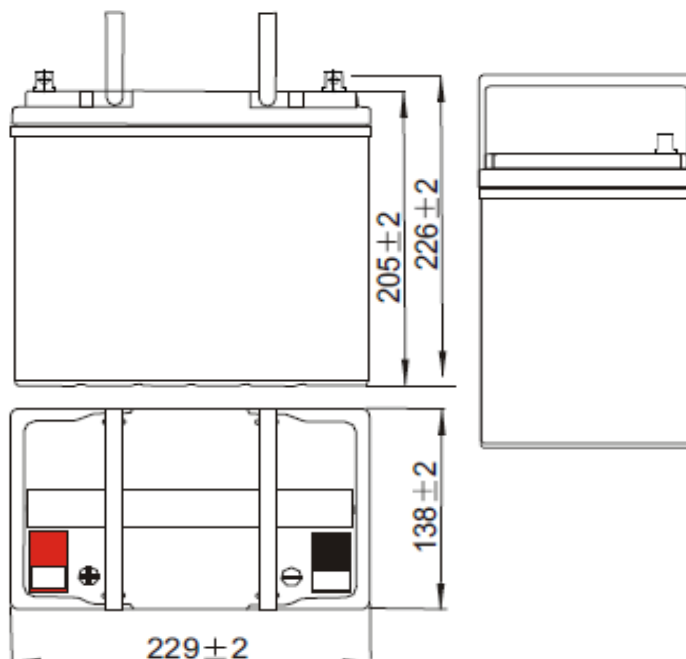
Charging Specifications

	Bloc	Per Cell
Charge Voltage	Float 13.5~13.8	2.25~2.30
(constant)	Cycle 14.4~15	2.40~2.45
Max. Charge Current	16.5 A	

Capacity Specifications

Cut-off Voltage	20 Hr R (2.86A)	57.2 Ah
1.80 volts/cell @ 25°C	10 Hr R (5.5A)	55 Ah
1.75 volts/cell @ 25°C	5 Hr Ra (9.46A)	47.3 Ah
Discharge Current	660 A	
(5 seconds maximum)		

Internal Resistance	7.5 mΩ
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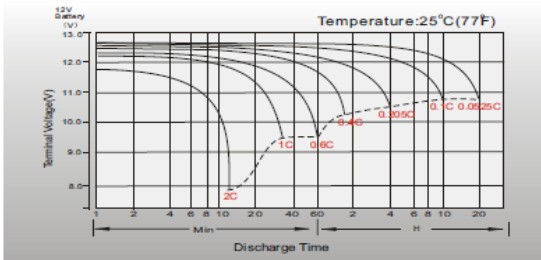


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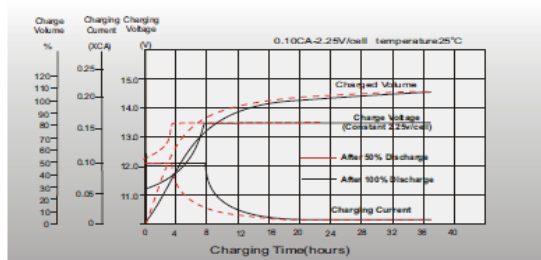
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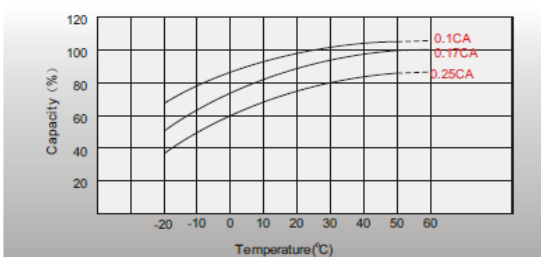
Discharge Characteristics



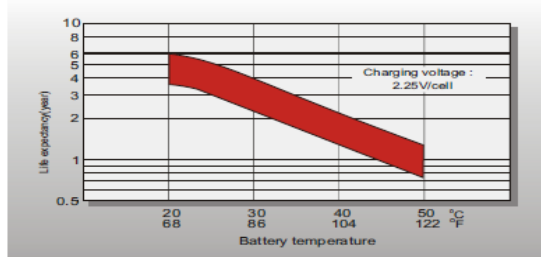
Float Charging Characteristics



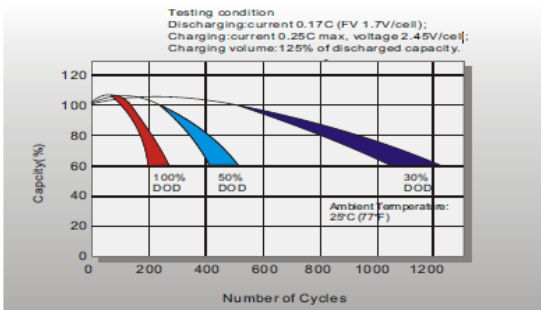
Temperature Effects in Relation to Battery Capacity



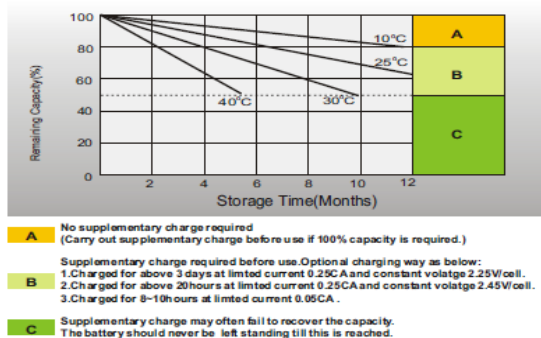
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	94.1	74.0	62.9	52.6	41.8	31.7	25.9	16.5	13.1	10.7	8.60	7.49	6.08	5.19	2.83
1.80V/cell	126.4	94.6	76.0	62.2	49.4	36.8	29.0	18.0	14.1	11.4	9.23	8.03	6.45	5.50	2.86
1.75V/cell	142.5	103.9	83.1	66.9	51.3	38.2	30.4	18.7	14.3	11.6	9.46	8.25	6.56	5.56	2.89
1.70V/cell	156.9	113.3	88.7	70.4	53.3	39.7	31.3	19.4	14.7	11.9	9.71	8.42	6.65	5.61	2.94
1.65V/cell	173.0	122.2	94.3	74.7	56.3	40.7	32.4	20.0	15.3	12.4	9.98	8.61	6.75	5.73	2.98
1.60V/cell	190.8	132.7	100.8	79.6	59.4	42.5	33.6	20.7	15.8	12.7	10.3	8.79	6.82	5.79	3.00

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	172.1	136.7	117.4	99.2	79.7	60.9	50.0	32.1	25.5	20.9	16.9	14.7	12.0	10.3	5.61
1.80V/cell	228.6	172.6	140.0	115.6	92.7	70.2	55.7	34.8	27.2	22.2	18.0	15.7	12.7	10.9	5.66
1.75V/cell	252.2	186.6	151.0	123.1	95.4	72.2	58.0	35.9	27.6	22.6	18.4	16.1	12.9	11.0	5.70
1.70V/cell	270.0	198.8	159.0	128.4	98.7	74.8	59.7	37.3	28.4	23.1	18.9	16.4	13.0	11.1	5.81
1.65V/cell	293.6	212.6	167.8	135.4	103.3	76.0	61.2	38.1	29.4	23.8	19.3	16.7	13.2	11.3	5.88
1.60V/cell	316.3	225.5	176.5	142.7	108.3	78.8	63.1	39.2	30.2	24.5	19.9	17.0	13.3	11.4	5.90

