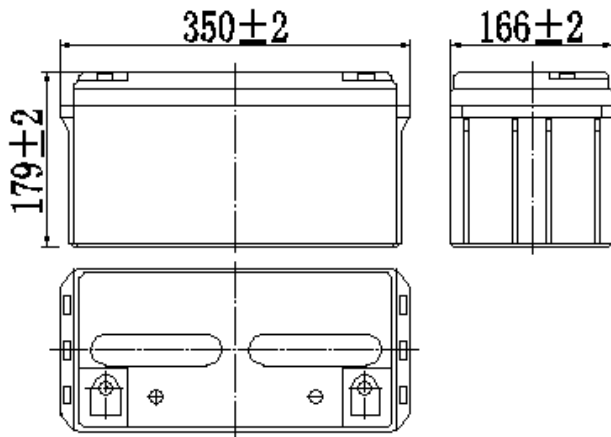


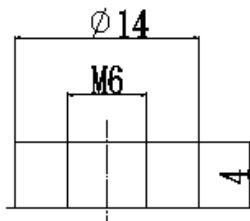
Specifications

Nominal Voltage		12 V
Rated capacity(10HR)		65Ah
Dimension	Length	350±2mm (13.78inch)
	Width	166±2mm (5.54inch)
	Height	179±2mm (7.05inch)
	Total Height	179±2mm (7.05inch)
Approx. Weight		20.4kg (45.0lbs)±3%

Dimensions



Terminal



Characteristics

Capacity (25℃)	10HR(10.8V)	65 Ah
	3HR(10.8V)	48Ah
	1HR(10.5V)	36Ah
Terminal type		T14
Internal resistance (Fully charged, 25℃)		Approx.6.5m Ω
Capacity affected by temperature (10HR)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-discharge (25℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃(77°F±5°F)
Operating temperature range	Discharge	-15℃～50℃(5°F～122°F)
	Charge	-10℃～50℃(14°F～122°F)
	Storage	-20℃～50℃(-4°F～122°F)
Float charging voltage(25℃)		13.50 to 13.80V Temperature compensation: -18mV/℃
Cyclic charging voltage(25℃)		14.50 to 15.00V Temperature compensation: -30mV/℃
Maximum charging current		19.5A
Terminal material		Copper
Maximum discharge current		650A(5 sec.)
Designed floating life(20℃)		10 years
Container Material		Flame Retardant ABS(UL 94-V0) Model Name: SPL65-12 FR

Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

Constant Current Discharge Characteristics (A, 25℃)

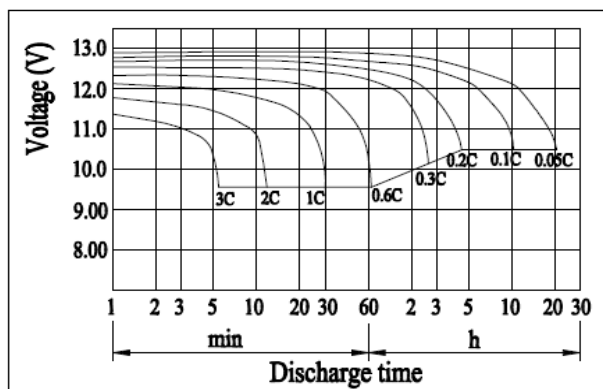
F.V/TIME	5min	10min	15min	30min	60min	3h	4h	5h	8h	10h	20h
9.60V	193.0	138.9	108.8	65.3	40.2	17.1	13.7	11.7	8.02	6.62	3.51
9.90V	181.2	131.9	103.5	64.0	39.6	17.0	13.6	11.6	7.98	6.60	3.50
10.2V	168.3	125.0	98.0	62.1	38.6	16.9	13.5	11.5	7.92	6.58	3.49
10.5V	149.4	117.4	92.6	60.6	37.4	16.8	13.4	11.4	7.87	6.55	3.47
10.8V	129.2	105.4	86.0	58.3	36.2	16.3	13.0	11.1	7.63	6.50	3.45

Constant Power Discharge Characteristics (Watt, 25℃)

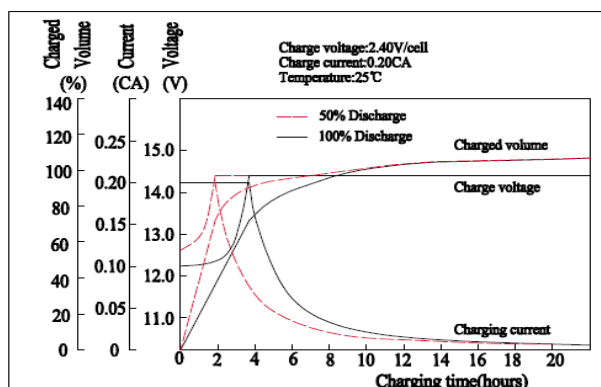
F.V/TIME	5min	10min	15min	30min	60min	3h	4h	5h	8h	10h	20h
9.60V	2168	1561	1222	733	458	201	161	138	95.3	79.0	42.1
9.90V	2099	1528	1199	718	451	200	160	137	94.7	78.9	42.0
10.2V	2008	1492	1170	696	440	199	159	136	94.1	78.6	41.9
10.5V	1835	1442	1137	679	426	197	157	135	93.4	78.2	41.6
10.8V	1633	1332	1087	655	412	191	153	131	90.6	77.6	41.3

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

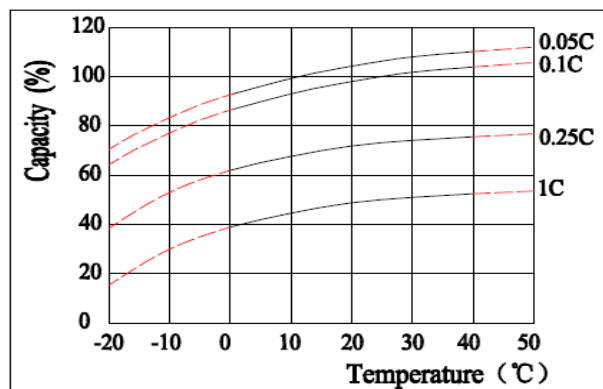
Discharge Characteristics(25°C)



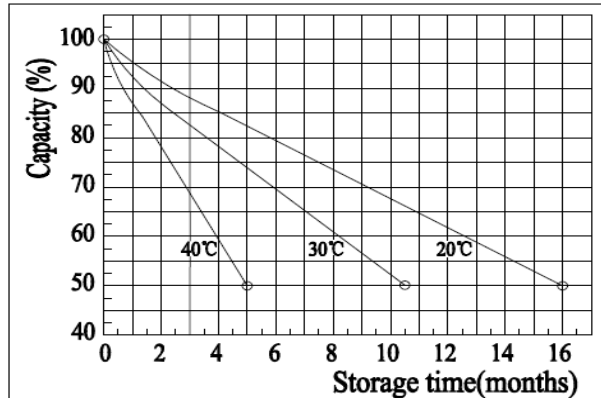
Charging Characteristics(25°C)



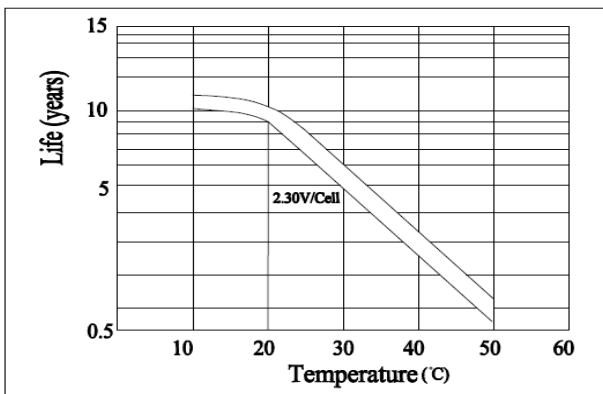
Effect of Temperature on Capacity



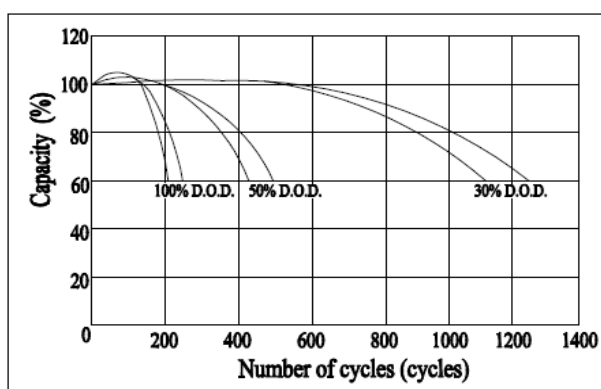
Self-discharge Characteristics



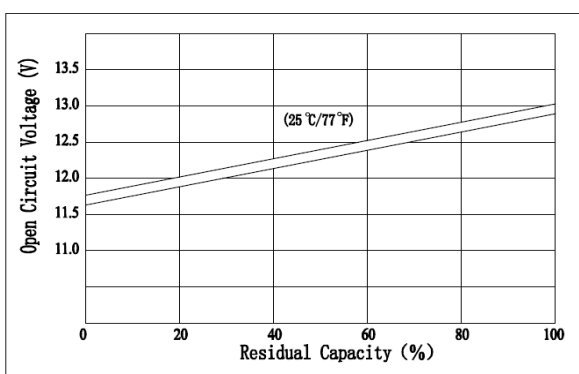
Floating Life on Temperature



Cycle Life on D.O.D.(25°C)



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



The Relationship for Charging Voltage and Temperature

