

LEX TEC INC

DATALEX

**STANDBY SERIES
NP5-12(12V5AH/20HR)**

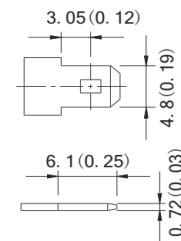
Specifications

Nominal Voltage	12V	
Nominal Capacity(20hr)	5AH	
Dimension	Length	90±2mm(3.54inch)
	Width	70±2mm(2.76inch)
	Height	101±2mm(3.98inch)
	Total Height	105±2mm(4.13inch)
Approx Weight	Approx. 1.50kg(+/-5%)	
Terminal Type	F1/F2	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.25mΩ	
Rated Capacity	5.00AH	(20hr, 1.75V/cell,25°C/77°F)
	4.80AH	(10hr, 1.75V/cell,25°C/77°F)
	4.70AH	(5hr, 1.75V/cell,25°C/77°F)
	4.25AH	(3hr, 1.75V/cell,25°C/77°F)
	3.20AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Discharge Current	105A(5S)	
Nominal Operating Temp. Range	Limit of operating temperature (minimum -05°C and +45°C)	
Cycle Use	Charge Current Less Than 0.25CA 14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%

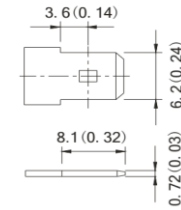


Terminal Type

Terminal F1



Terminal F2



Constant Power Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	31.6	22.6	18.0	10.8	6.18	3.31	2.74	2.09	1.81	1.44	0.93	0.48
1.75V/cell	32.1	23.0	18.3	11.0	6.30	3.38	2.79	2.13	1.84	1.47	0.94	0.49
1.70V/cell	33.1	23.7	18.9	11.3	6.49	3.48	2.88	2.20	1.90	1.51	0.97	0.50
1.67V/cell	34.4	24.7	19.6	11.8	6.74	3.34	2.99	2.28	1.97	1.57	1.00	0.52
1.60V/cell	36.3	26.0	20.7	12.4	7.11	3.82	3.15	2.41	2.07	1.66	1.03	0.53

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

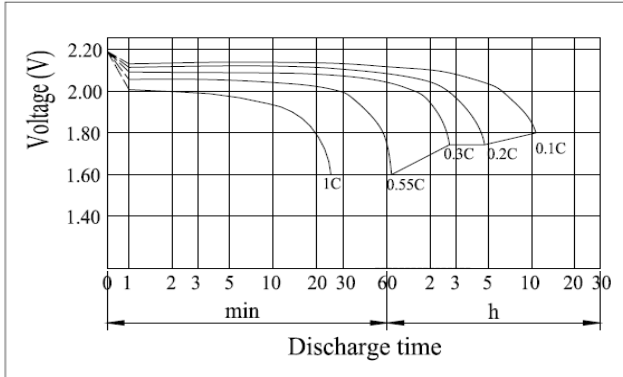
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	16.2	11.6	9.22	5.53	3.17	1.70	1.40	1.07	0.93	0.74	0.47	0.24
1.75V/cell	16.5	11.8	9.40	5.63	3.23	1.73	1.43	1.09	0.95	0.76	0.48	0.25
1.70V/cell	17.0	12.2	9.68	5.80	3.33	1.79	1.47	1.13	0.97	0.78	0.50	0.26
1.67V/cell	17.6	12.6	10.1	6.03	3.45	1.85	1.53	1.17	1.01	0.81	0.51	0.26
1.60V/cell	18.6	13.4	10.6	6.37	3.65	1.96	1.62	1.23	1.03	0.83	0.52	0.26

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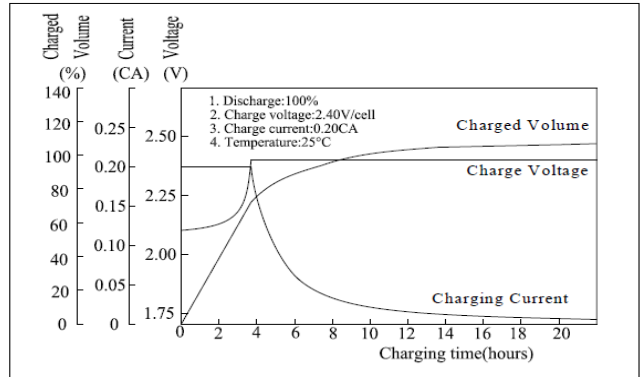
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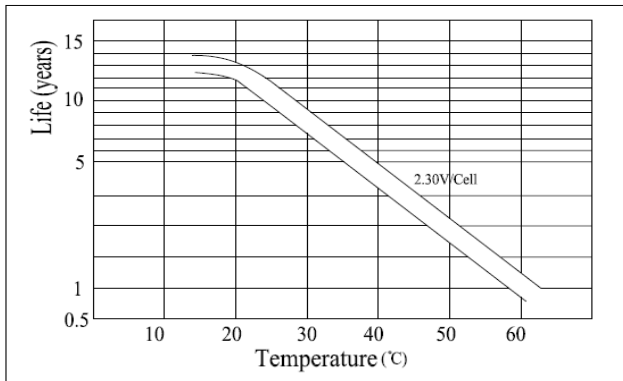
Discharge Characteristics



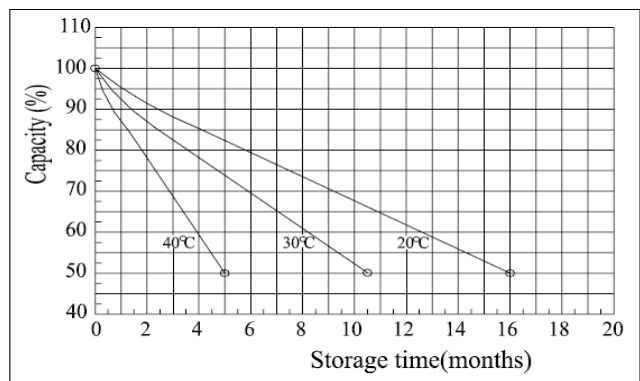
Float Charging Characteristics



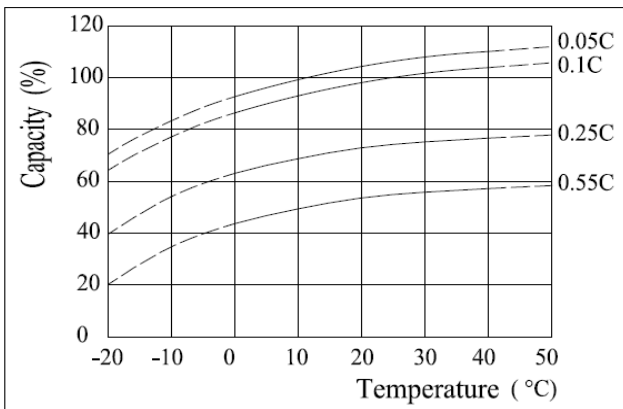
Floating Life on Temperature



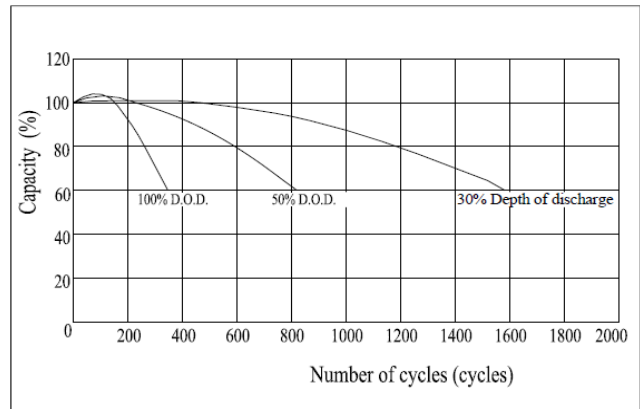
Self Discharge Characteristics (25°C(77°F))



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge



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