SCHEDA TECNICA PRODOTTO

Item Code: 1111LI5-6

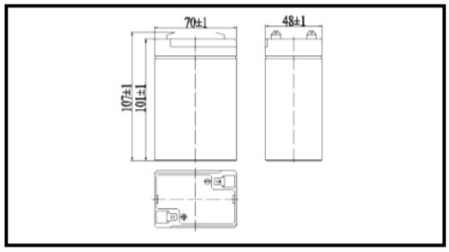
Product description: Accumulatore al Pb regolato con valvola 6 V 5 Ah



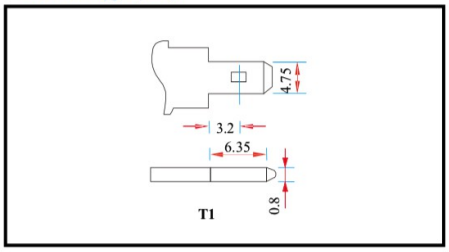
Specifications

Nominal voltage		6V (3 cells per unit)
Rated capacity (20HR)		5Ah/5.25V
Dimensions	Length	70±1mm (2.76inch)
	Width	48±1mm (1.89inch)
	Height	101±1mm (3.98inch)
	Total height	107±1mm (4.21inch)
Approx. weight		0.84kg (1.85lbs)±5%

Outer dimensions (mm)



Terminal type (mm)



Characteristics

Capacity (25°C)	20HR (5.25V)	5Ah
	10HR (5.25V)	4.7Ah
	1HR (4.80V)	3Ah
Terminal type		T1
Internal resistance (Fully charged, 25°C)		Approx. 15mΩ
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)		6.80 to 6.90V Temperature compensation: -9mV/°C/Block
Cyclic charging voltage (25°C)		7.25 to 7.50V Temperature compensation: -15mV/°C/Block
Maximum charging current		1.5A
Maximum discharge current		75A (5 sec.)
Design life		5 years for floating (25°C)
		Eurobat (20°C): 3-5 years, standard commercial.

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 unit: Ampere/Block (at 25°C, 77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	19.1	12.1	9.45	5.33	3.28	1.79	1.24	1.03	0.87	0.47	0.25
4.95V	18.5	11.7	9.22	5.22	3.23	1.78	1.23	1.02	0.87	0.47	0.25
5.10V	17.8	11.3	8.88	5.06	3.14	1.77	1.22	1.01	0.86	0.47	0.25
5.25V	17.0	10.8	8.58	4.94	3.08	1.74	1.22	1.01	0.86	0.47	0.25
5.40V	16.0	10.2	8.13	4.76	2.99	1.69	1.18	0.97	0.83	0.46	0.25

Constant power discharge characteristics unit: Watt/Block (at 25°C, 77°F)

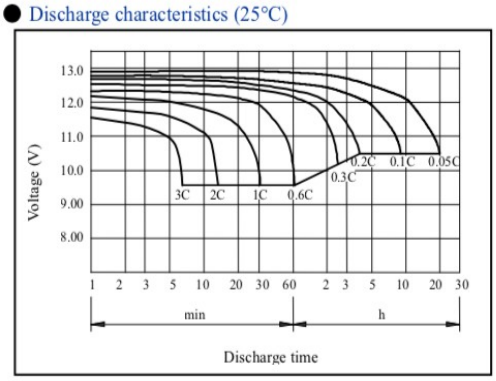
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	107	68.2	53.9	30.5	19.0	10.5	7.36	6.10	5.21	2.84	1.52
4.95V	103	66.2	52.5	29.9	18.7	10.4	7.32	6.07	5.18	2.83	1.52
5.10V	99.1	63.5	50.5	29.0	18.2	10.3	7.27	6.03	5.14	2.82	1.51
5.25V	94.9	60.7	48.9	28.3	17.8	10.2	7.22	5.98	5.10	2.80	1.50
5.40V	89.5	57.5	46.3	27.2	17.3	9.91	7.00	5.81	4.95	2.74	1.47

Note 1: Above characteristics data can be obtained within three charge and discharge cycles.

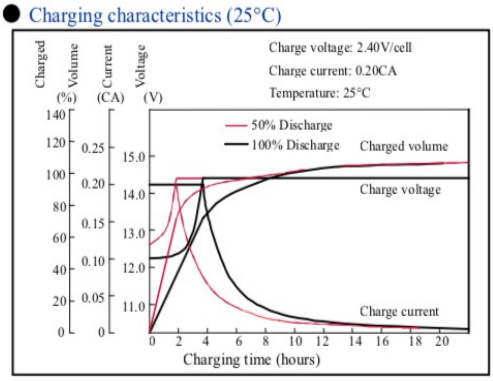
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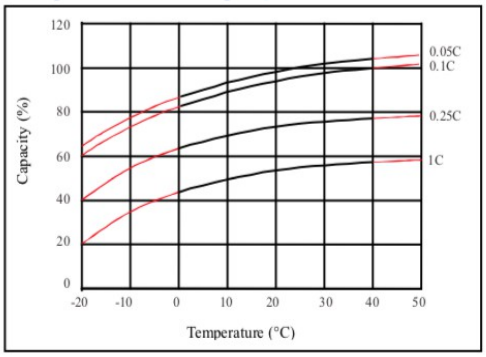
● Discharge characteristics (25°C)



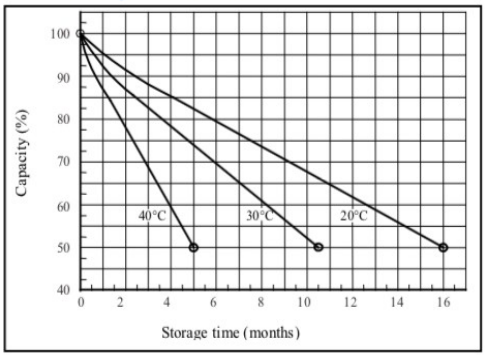
● Charging characteristics (25°C)



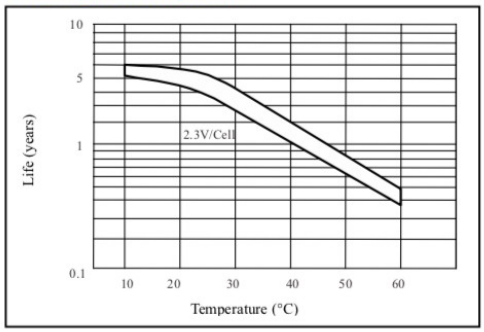
● Temperature effects on capacity



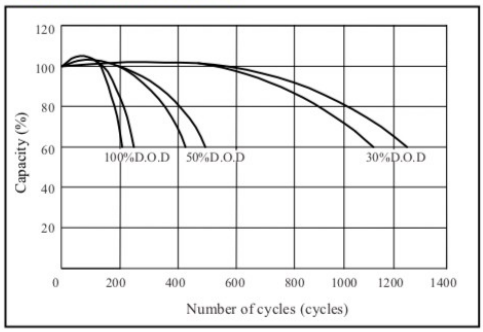
● Self-discharge characteristics



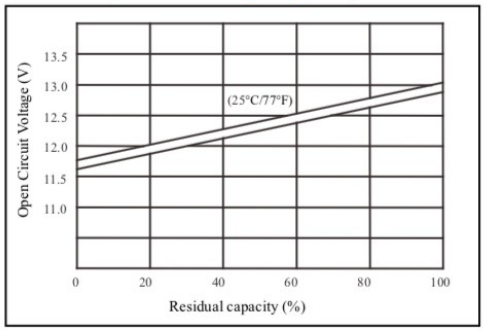
● Floating life on temperature



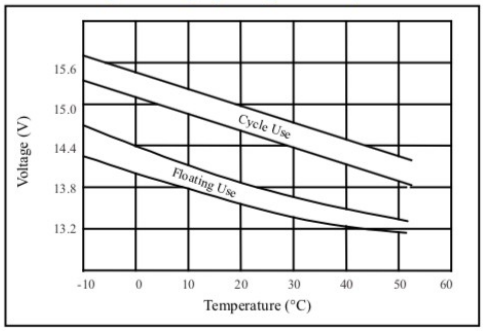
● Cycle life on D.O.D (25°C)



● Relationship for OCV and capacity (25°C)



● Relationship for charging voltage and temperature



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