

12V1.3Ah

Valve Regulated Lead Acid Battery

Website: www.ibizapowerdxb.com

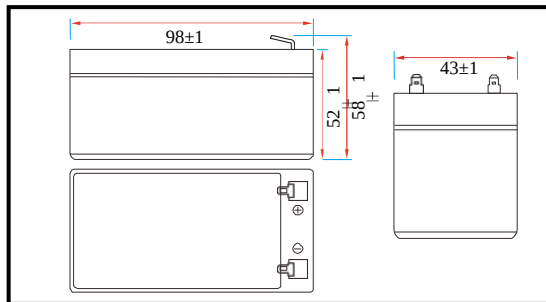
Tel: 042590647

Specifications

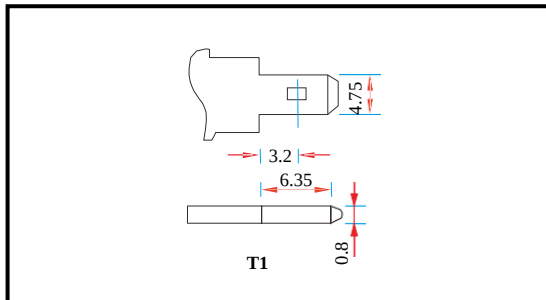
Nominal voltage		12V (6 cells per unit)
Rated capacity (20HR)		1.3Ah/10.5V
Dimensions	Length	98±1mm (3.86inch)
	Width	43±1mm (1.69inch)
	Height	52±1mm (2.05inch)
	Total height	58±1mm (2.28inch)
Approx. weight		0.54kg (1.19lbs)±5%



Outer dimensions (mm)



Terminal type (mm)



Characteristics

Capacity (25°C)	20HR (10.5V)	1.3Ah
	10HR (10.5V)	1.1Ah
	1HR (9.60V)	0.72Ah
Terminal type		T1
Internal resistance (Fully charged, 25°C)		Approx. 90mΩ
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)		13.60 to 13.80V Temperature compensation: -18mV/°C/Block
Cyclic charging voltage (25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C/Block
Maximum charging current		0.36A
Maximum discharge current		18A (5 sec.)
Short circuit current		51A
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)

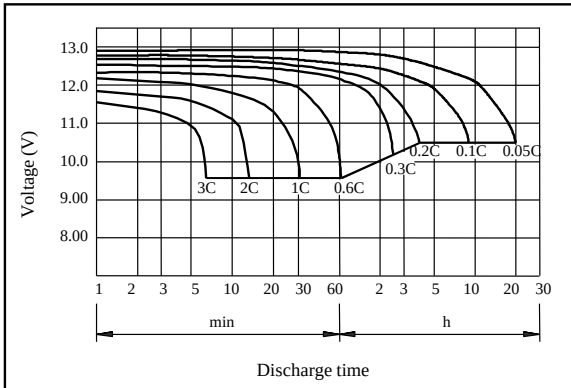
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	4.58	2.90	2.27	1.28	0.79	0.43	0.30	0.25	0.21	0.11	0.06
9.90V	4.45	2.82	2.21	1.25	0.77	0.43	0.30	0.24	0.21	0.11	0.06
10.2V	4.26	2.70	2.13	1.21	0.75	0.42	0.29	0.24	0.21	0.11	0.06
10.5V	4.08	2.58	2.06	1.18	0.74	0.42	0.29	0.24	0.21	0.11	0.06
10.8V	3.85	2.44	1.95	1.14	0.72	0.41	0.28	0.23	0.20	0.11	0.06

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

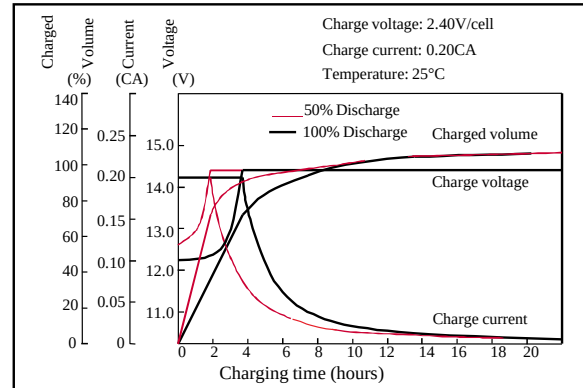
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	51.2	32.8	25.9	14.6	9.10	5.03	3.53	2.93	2.50	1.36	0.73
9.90V	49.6	31.8	25.2	14.4	8.97	5.00	3.51	2.91	2.48	1.36	0.73
10.2V	47.6	30.5	24.3	13.9	8.74	4.96	3.49	2.89	2.47	1.35	0.72
10.5V	45.5	29.2	23.5	13.6	8.56	4.88	3.46	2.87	2.45	1.34	0.72
10.8V	43.0	27.5	22.2	13.1	8.30	4.76	3.36	2.79	2.38	1.32	0.71

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

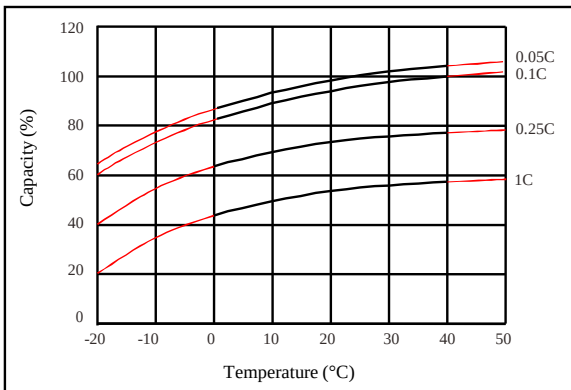
Discharge characteristics (25°C)



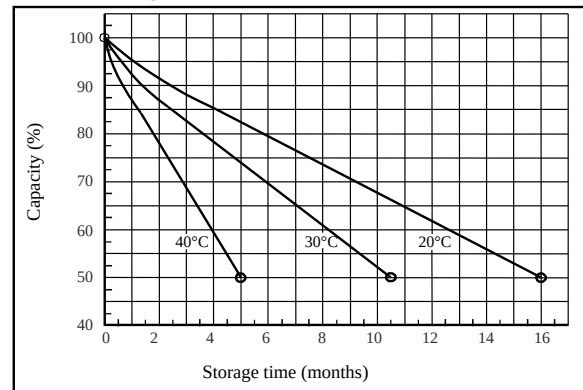
Charging characteristics (25°C)



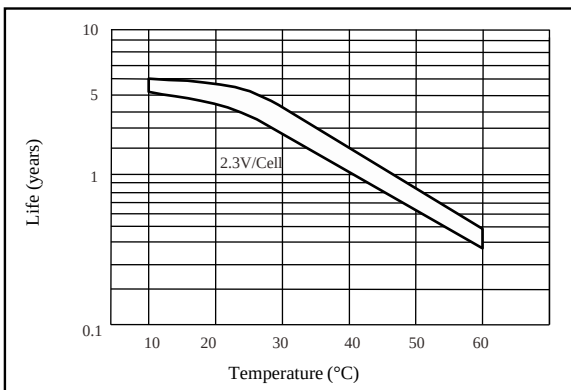
Temperature effects on capacity



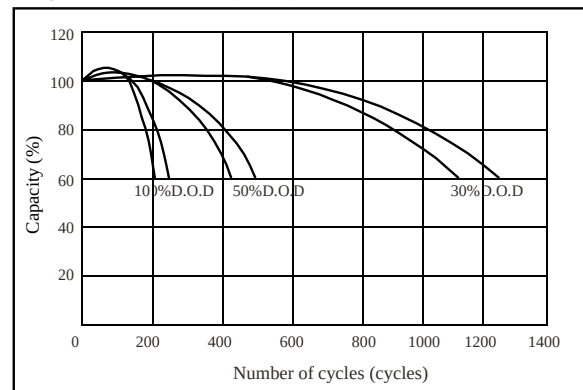
Self-discharge characteristics



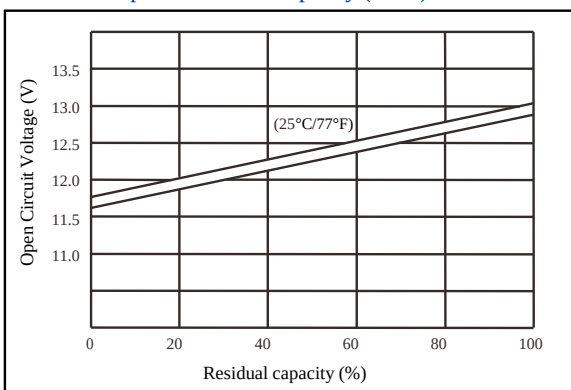
Floating life on temperature



Cycle life on D.O.D (25°C)



Relationship for OCV and capacity (25°C)



Relationship for charging voltage and temperature

