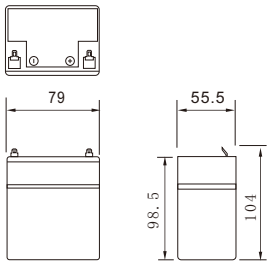
BL1229(12V2.9AH)

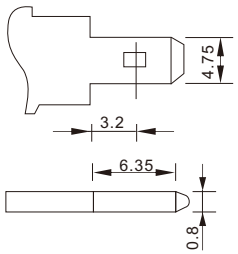
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		2.9 Ah
Dimensions	Total Height	104 mm (4.09 inches)
	Height	98.5 mm (3.88 inches)
	Length	79 mm (3.11 inches)
	Width	55.5 mm (2.19 inches)
Weight Approx		1.07Kg (2.36lbs)

Terminal Type (mm)



Characteristics

Capacity 25℃(77℉)	20 hour rate(0.145 A) 10 hour rate(0.26 A) 5 hour rate(0.49 A) 1 hour rate(1.74 A)	2.90 AH 2.60 AH 2.45 AH 1.74 AH
	1.5 hour discharge to 10.5V	1.08 A
Internal Resistance	Full charged Battery at 25℃(77℉)	45 mΩ
Capacity affected by Temperature (20hour rate)	40℃(104℉) 25℃(77℉) 0℃(32℉) -15℃(5℉)	102% 100% 85% 65%
Self-Discharge at 25℃(77℉)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal	T0	
Charge (constant Voltage) Cycle	Initial Charging Current less than0.87 A Voltage 14.10-14.40V	
Charge (constant Voltage) Float	Voltage 13.50-13.80V	

Features

Low self-discharge;
Safe and reliable, low floating current;
Excellent cycling performance;
Separator:glass fiber with high adsorption and high stability.
Temperature environment(-15~50℃);

Applications

Telecom & UPS; Medical equipment;
Emergency lighting; Vacuum cleaner;
Fire & security system;
Photovoltaic & Solar & Wind power system.

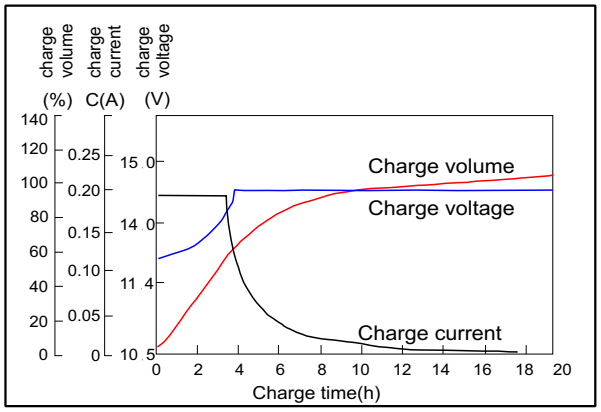
Standards

GB/T 19639-2014; JIS C8704-1:2006; EUROBAT;
IEC 60896-21/22:2004; UL MH26669;

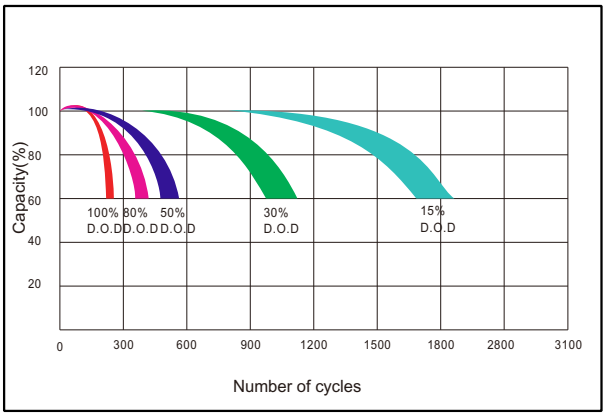
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25℃(77℉)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	10.44	6.54	5.08	3.34	1.89	1.02	0.75	0.60	0.51	0.34	0.28	0.15
	W	110.66	71.32	54.30	36.02	20.55	11.06	8.44	6.59	5.70	3.80	3.06	1.68
10.20V	A	9.57	6.40	4.66	3.17	1.80	0.97	0.74	0.58	0.50	0.33	0.27	0.15
	W	105.75	70.45	52.01	35.62	20.23	11.01	8.36	6.58	5.69	3.77	3.06	1.66
10.50V	A	8.88	6.12	4.35	3.07	1.74	0.95	0.73	0.55	0.49	0.33	0.27	0.15
	W	99.40	68.84	49.16	34.99	19.84	10.93	8.30	6.34	5.67	3.75	3.04	1.65
10.80V	A	8.08	5.85	4.06	2.93	1.68	0.93	0.71	0.54	0.47	0.32	0.26	0.14
	W	91.72	66.67	46.49	33.83	19.43	10.75	8.24	6.31	5.49	3.70	3.03	1.65
11.10V	A	7.25	5.51	3.77	2.73	1.60	0.91	0.68	0.53	0.45	0.31	0.25	0.14
	W	83.38	63.64	43.73	31.89	18.66	10.60	8.01	6.27	5.32	3.65	2.99	1.63

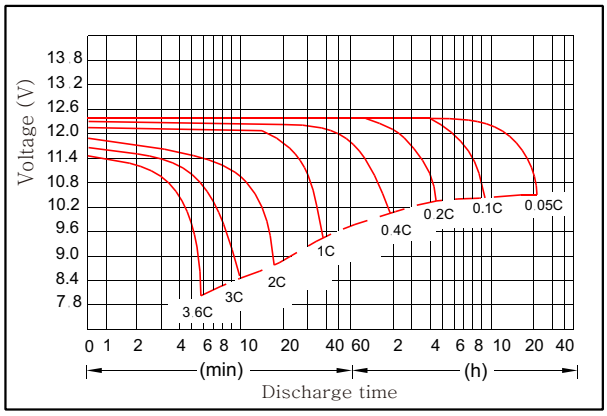
Charge characteristics(25℃)



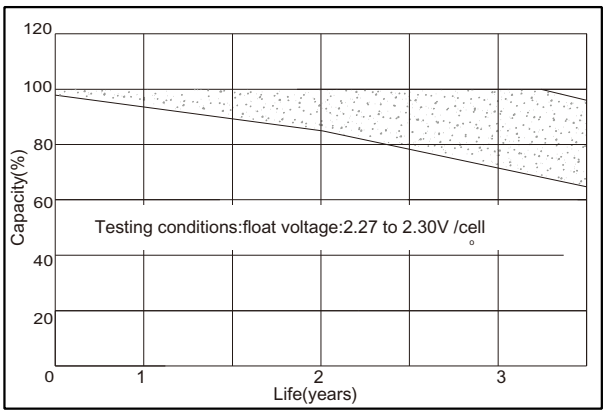
Cycle life characteristics (25℃)



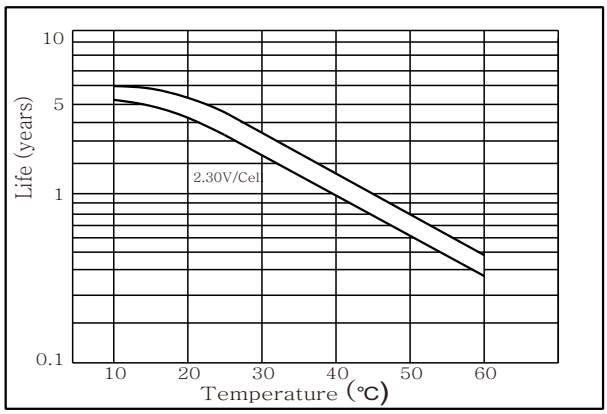
Discharge characteristics(25℃)



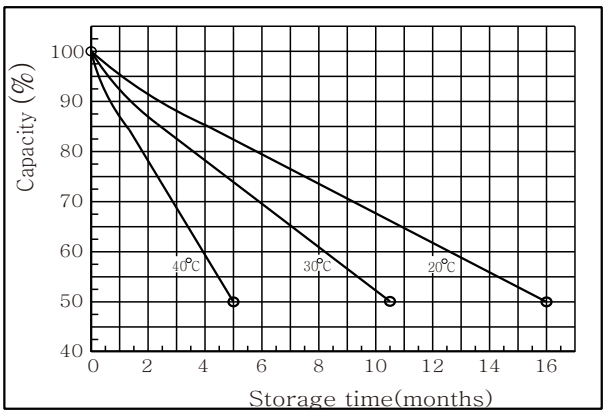
Standby life characteristics(25℃)



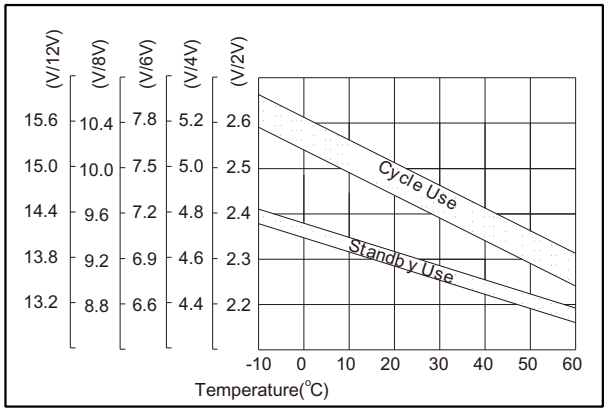
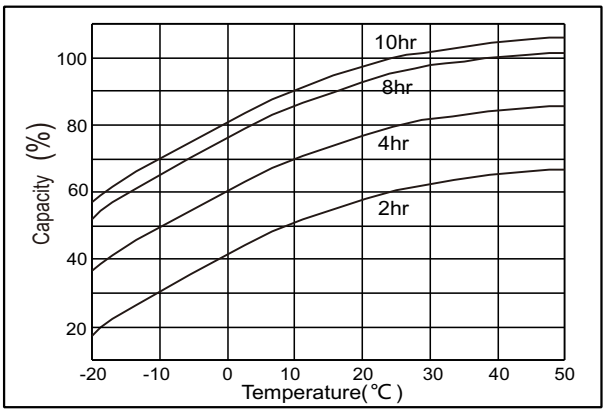
Float life on temperature



Self-discharge characteristics



Relationship between charge voltage and temperature



Effect of temperature on capacity