GP series

GP 1245 (12V16W)

Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

General — Design for Standby Power Applications

【Design Life】
Up to 5 Years in Standby Service at 25℃
Eurobat (20℃) : 3-5 YEARS STANDARD COMMERCIAL

【 Operating Temperature Range】
Nominal Operating Temperature : 25℃(77°F)
Discharge : -15℃ ~ 50℃ (5°F~122°F)
Charge: -15℃ ~ 40℃ (5°F~104°F)
Storage: -15℃ ~ 40℃ (5°F~104°F)

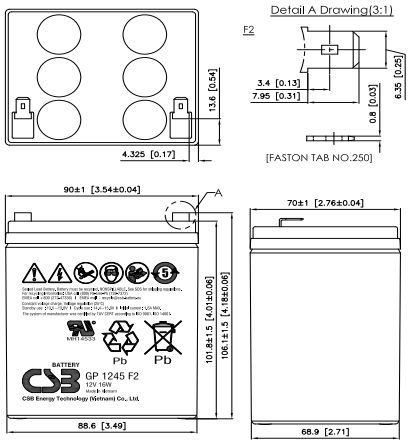
【 Float Charging Voltage】
13.5 ~ 13.8 VDC/Unit at 25℃ (77°F)

【Equalization Charging Voltage 】
14.4 ~ 15.0 VDC/Unit at 25℃ (77°F)

【 Self Discharge】
Less than 10% after 90 days, can be stored up to 6 months at 25℃ (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25℃ (77°F).

Specification — Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	16W@15Min-rate to 1.67V per cell @25℃ (77°F)		
Weight	Approx. 1.34 Kg (2.95 lbs)		
Maximum Discharge Current	60/90A (5sec)		
Internal Resistance	Approx. 29.8mΩ		
Short Circuit Current	168A		
Maximum Charge Current	1.60A		
Terminal types	F1/F2 terminal -Faston Tab 187/250		
Terminal tightening torque	--		
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	90.0±1.0 mm	3.54±0.04 inch
	Width (W)	70.0±1.0 mm	2.76±0.04 inch
	Container Height (h)	101.8±1.5 mm	4.01±0.06 inch
	Overall Height (H)	106.1±1.5 mm	4.18±0.06 inch



Constant Current Discharge Characteristics Unit: A (25℃, 77°F)

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	36.5	24.0	20.5	18.0	14.4	11.9	8.80	6.91	4.91	3.50	2.75	1.96
1.67V	33.8	22.7	19.7	17.6	14.1	11.8	8.66	6.87	4.89	3.48	2.73	1.94
1.70V	32.0	22.1	19.2	17.1	13.9	11.7	8.61	6.83	4.87	3.46	2.71	1.92
1.75V	28.8	20.7	18.1	16.2	13.4	11.4	8.42	6.71	4.80	3.42	2.69	1.90
1.80V	25.0	19.1	16.8	15.2	12.6	10.9	8.22	6.51	4.69	3.36	2.65	1.88
1.85V	21.8	17.0	15.0	13.6	11.6	10.1	7.60	6.07	4.46	3.21	2.54	1.82

Constant Power Discharge Characteristics Unit: W (25℃, 77°F)

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	367	246	214	191	157	134	99.4	79.2	57.3	41.2	32.6	23.1
1.67V	341	240	209	187	153	132	98.6	78.1	56.8	40.8	32.3	23.0
1.70V	326	233	204	183	152	131	97.2	77.9	56.6	40.6	32.1	22.9
1.75V	298	221	195	176	146	127	96.5	76.8	56.4	40.3	31.8	22.8
1.80V	270	204	182	165	141	122	92.9	74.9	55.3	39.6	31.3	22.3
1.85V	239	184	165	151	131	113	87.5	70.4	52.9	38.3	30.4	21.6

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

Issued: 200928

Sales Offices

希世比能源科技股份有限公司
CSB Energy Technology Co., Ltd.

Recognized under UL 1989,
and certified by ISO 9001, 14001, 45001, 50001.

MH14533

BUSINESS HEADQUARTERS
Tel: +886-2-2880-5600
Fax: +886-2-2888-3300

USA OFFICE
Tel: +1-817-244-7777 / 1-(800)3-CSB-USA (272872)
Fax: +1-817-244-4445

EUROPE (EMEA) OFFICE
Tel: +31(0)180-418-140
Fax: +31(0)180-418-327

TAIPEI OFFICE
Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

SHENZHEN OFFICE (CHINA)
Tel: +86-755-8831-6488/6775/6075
Fax: +86-755-8831-6548

SHANGHAI OFFICE (CHINA)
Tel: +86-21-5046-1622/0833/0094
Fax: +86-21-5046-1046

BEIJING OFFICE (CHINA)
Tel: +86-10-6597-8065/8165/8265
Fax: +86-10-6597-8565