



GP series

GP 1272 (12V25W)



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°C

Eurobat (20°C) : 3-5 YEARS STANDARD COMMERCIAL

【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)

Discharge : -15°C ~ 50°C (5°F~122°F)

Charge: -15°C ~ 40°C (5°F~104°F)

Storage: -15°C ~ 40°C (5°F~104°F)

【Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【Self Discharge】

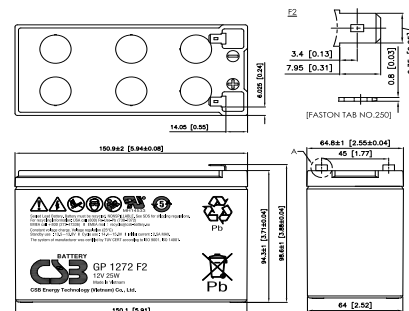
Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);

Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

Specification

Design according with IEC 61056-1/2:2012

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	24.5W@15Min-rate to 1.67V per cell @25°C (77°F)		
Weight	Approx. 1.84 Kg (4.06 lbs)		
Maximum Discharge Current	100/130A (5sec)		
Internal Resistance	Approx. 25.8 mΩ		
Short Circuit Current	--		
Maximum Charge Current	2.5A		
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)	150.9±2.0 mm	5.94±0.08 inch
	Width (W)	64.8±1.0 mm	2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm	3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm	3.88±0.04 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	48.5	33.2	28.6	25.2	20.6	17.5	12.9	10.3	7.46	5.38	4.27	3.08
1.67V	44.1	31.5	27.4	24.4	20.1	17.2	12.7	10.2	7.40	5.34	4.24	3.06
1.70V	42.2	30.5	26.6	23.8	19.8	17.0	12.6	10.1	7.36	5.32	4.22	3.05
1.75V	38.0	28.2	24.9	22.5	19.0	16.3	12.3	9.9	7.25	5.25	4.18	3.02
1.80V	33.6	25.5	22.8	20.8	17.7	15.3	11.7	9.5	7.04	5.12	4.08	2.97
1.85V	28.7	22.3	20.3	18.7	15.9	14.0	10.8	8.8	6.67	4.87	3.90	2.85

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	490	346	303	271	224	192	148	115	85.0	62.2	49.8	36.5
1.67V	454	332	293	264	221	189	147	114	84.6	61.9	49.6	36.3
1.70V	436	324	286	259	218	187	146	113	84.2	61.7	49.5	36.2
1.75V	401	306	272	248	210	181	143	112	83.3	61.1	49.1	36.0
1.80V	368	284	254	232	197	172	137	108	81.3	59.9	48.2	35.5
1.85V	321	253	229	211	180	159	128	102	77.5	57.4	46.4	34.3