



GP series
GP 1272

12V28W



Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

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)

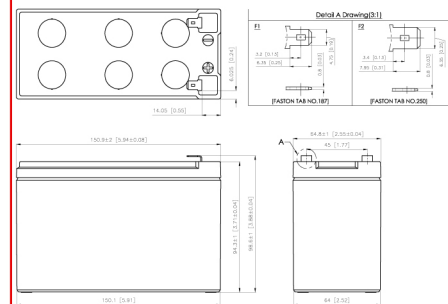
【Self Discharge】

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	28W@15Min-rate to 1.67V per cell @25°C (77°F)		
Weight	Approx. 2.10 Kg (4.63 lbs)		
Maximum Discharge Current	100/130A (5sec)		
Internal Resistance	Approx. 19.8mΩ		
Short Circuit Current	304A		
Maximum Charge Current	2.80A		
Terminal types	F1/F2 terminal -Faston Tab 187/250		
Terminal Breaking 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	58.3	39.7	34.1	29.9	24.1	20.8	15.0	12.0	8.73	6.29	4.98	3.52
1.67V	52.8	36.8	31.9	28.3	23.5	20.4	14.9	11.9	8.65	6.24	4.95	3.50
1.70V	50.2	35.4	30.8	27.5	23.0	20.1	14.7	11.8	8.61	6.21	4.92	3.48
1.75V	45.7	32.6	28.7	26.0	22.1	19.5	14.4	11.6	8.53	6.16	4.89	3.46
1.80V	41.1	29.8	26.6	24.4	20.7	18.5	13.9	11.2	8.26	6.02	4.81	3.41
1.85V	36.5	27.3	24.5	22.7	19.3	17.1	13.0	10.6	7.92	5.79	4.63	3.31

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	595	410	356	318	268	232	174	139	101	73.4	58.5	41.8
1.67V	552	387	339	305	262	229	172	138	100	72.8	58.1	41.6
1.70V	532	373	329	298	260	226	171	137	99.3	72.4	57.8	41.4
1.75V	499	350	312	286	249	220	168	135	98.8	71.9	57.4	41.1
1.80V	464	327	294	272	237	212	162	132	96.8	70.6	56.4	40.6
1.85V	425	305	275	256	220	197	152	125	93.1	68.4	54.9	39.6

Please refer to the official site for the latest rating confirmation.

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<http://www.battery-csb.com>