

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)

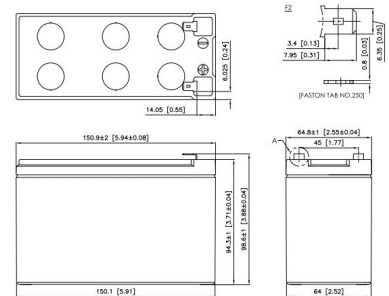
【Equalization Charging Voltage】

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).

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	580W@5min-rate to 9.60V per PCS @25°C (77°F)		
Weight	Approx. 2.83 Kg (6.24 lbs)		
Maximum Discharge Current	130A (5sec)		
Internal Resistance	Approx. 11.80 mΩ		
Short Circuit Current	575A		
Maximum Charge Current	4.8A		
Terminal types	F2 terminal -Faston Tab 250		
Terminal tightening torque	--		
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	150.9±2.0mm	5.94±0.08inch
	Width (W)	64.8±1.0mm	2.55±0.04inch
	Container Height (h)	94.3±1.0mm	3.71±0.04inch
	Overall Height (H)	98.6±1.0mm	3.88±0.04inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MI
1.60V	95.1	63.4	54.1	47.2	38.5	32.3	23.0	18.3	13.2	9.42	7.42	5.31
1.67V	85.3	60.2	51.7	45.6	37.6	31.7	22.7	18.1	13.0	9.30	7.33	5.20
1.70V	81.1	58.4	50.4	44.6	37.1	31.3	22.7	18.0	12.9	9.20	7.24	5.17
1.75V	73.6	53.7	47.2	42.2	35.6	30.1	22.1	17.5	12.7	9.05	7.11	5.03
1.80V	66.1	48.8	43.2	39.3	33.2	28.4	21.1	16.9	12.4	8.82	6.92	4.91
1.85V	59.4	43.5	39.3	36.3	30.3	26.1	19.6	15.8	11.7	8.38	6.61	4.70

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MI
1.60V	908	663	580	516	427	361	262	208	150	108	84.2	59.3
1.67V	877	643	565	504	420	356	261	206	149	107	84.0	58.9
1.70V	859	630	556	499	414	353	258	205	149	106	83.6	58.8
1.75V	808	601	538	481	402	343	254	203	148	105	83.1	58.4
1.80V	750	568	505	458	383	329	245	197	145	104	81.7	57.6
1.85V	674	514	463	424	352	305	229	186	138	99.5	78.9	55.6

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

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