CP1290A *12V9Ah*

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

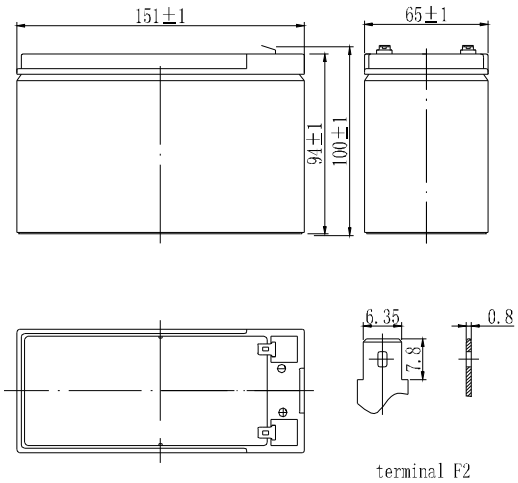
Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.
- Case and cover available in both standard and flame retardant ABS.

Dimensions and Weight



Technology Parameter

Battery model	CP1290A			
ominal voltage	12V			
Number of cell	6			
Capacity (25℃)	20hR(0.45A, 10.5V)	10hR(0.86A, 10.5V)	5hR(1.57A, 10.5V)	1hR(6.66A, 9.60V)
	9Ah	8.6Ah	7.85Ah	6.66Ah
Dimensions	Length	Width	Height	Total Height
	151±1mm	65±1mm	94±1mm	100±1mm
Approx. weight	2.78Kg (6.13 lbs)			
Internal resistance	Full charged at 25℃: ⩽ 12.5 mOhms			
Self discharge	3% of capacity declined per month at 20℃ (average)			
Operating temperature range	Discharge	Charge	Storage	
	-20～60℃	-10～60℃	-20～60℃	
Max. discharge current (25℃)	135A (5s)			
Short circuit current	450A			

Discharge Constant Current (Amperes at 77°F25°C)

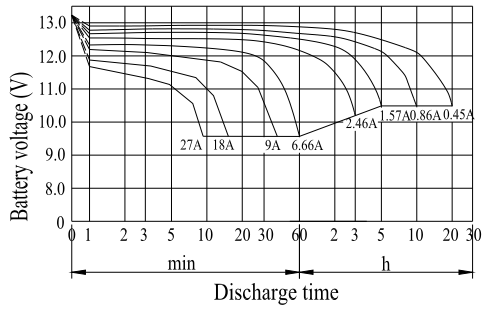
End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	36.1	25.2	19.3	11.6	6.66	2.59	1.62	0.88	0.47
1.65V	34.6	24.3	18.5	11.1	6.42	2.53	1.61	0.87	0.47
1.70V	33.1	23.3	17.7	10.5	6.18	2.46	1.59	0.87	0.46
1.75V	31.6	22.2	16.9	9.86	5.94	2.39	1.57	0.86	0.45
1.80V	30	21.2	16.1	9.21	5.68	2.32	1.55	0.85	0.44

Discharge Constant Power (Watts at 77°F25°C)

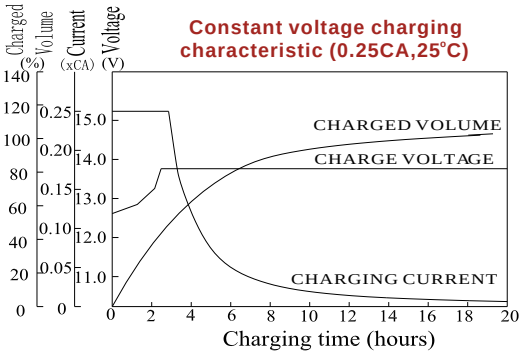
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	74.1	47.2	35.1	21.5	15.9	12.4	6.85	4.84	3.27
1.65V	70.5	45.6	34	20.8	15.3	12	6.72	4.79	3.24
1.70V	66.9	43.9	32.9	20.0	14.7	11.5	6.59	4.74	3.21
1.75V	63.3	42.2	31.8	19.2	14.1	11	6.46	4.69	3.18
1.80V	59.7	40.5	30.7	18.4	13.5	10.5	6.32	4.64	3.15

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.
All data shall be changed without notice,Vision reserves the right to explain and update the information contained hereinto.

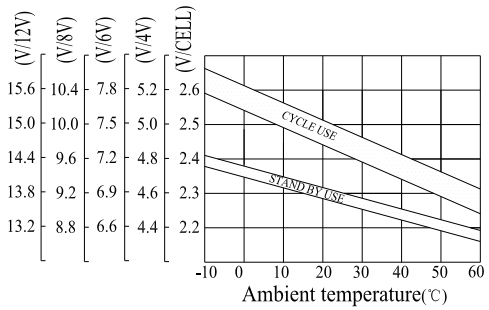
Discharge characteristic (25°C)



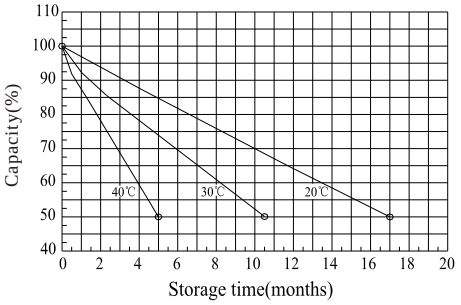
Constant voltage charging characteristic (0.25CA,25°C)



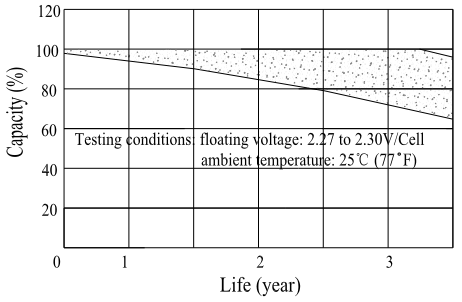
Relationship between charging voltage and temperature



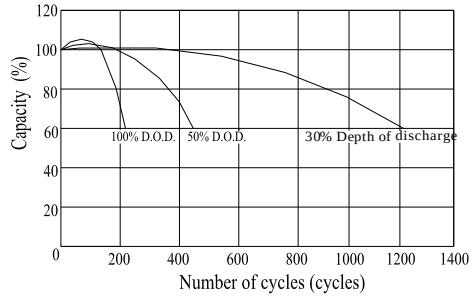
Self-discharge characteristic



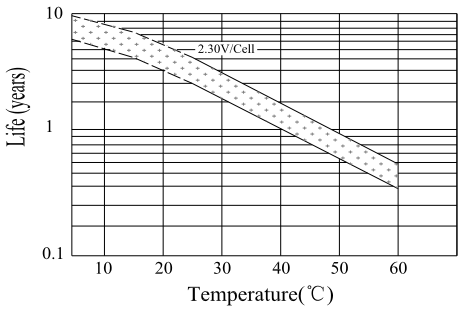
Life characteristics of Standby use



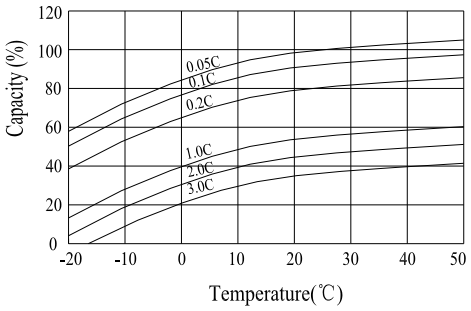
Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity



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