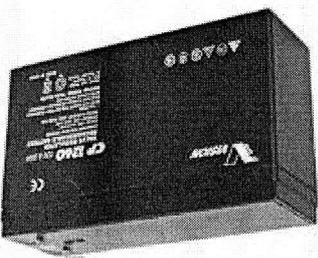


CP1260 12V 6Ah(20hr)

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.



MAINTENANCE-FREE RECHARGEABLE SEALED LEAD-ACID BATTERY VISION

Battery Construction

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

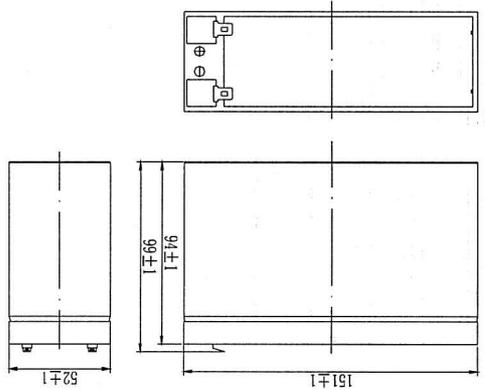
General Features

- 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/CAO 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.

Dimensions and Weight

Length(mm / inch)	151 / 5.94
Width(mm / inch)	52 / 2.05
Height(mm / inch)	94 / 3.70
Total Height(mm / inch)	99 / 3.90
Approx. Weight(kg / lbs)	2.18 / 4.8

* Weight deviation: ± 5%



Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	5 years
Nominal Capacity 77°F(25°C)	6Ah
20 hour rate (0.3A, 10.5V)	5.6Ah
10 hour rate (0.56A, 10.5V)	5.25Ah
5 hour rate (1.05A, 10.5V)	4.2Ah
1 hour rate (4.2A, 9.6V)	≤ 25mOhms
Internal Resistance	
Fully Charged battery 77°F(25°C)	
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	-20~60°C
Discharge	-20~60°C
Charge	-20~60°C
Storage	-20~60°C
Max. Discharge Current 77°F(25°C)	90A(5s)
Short Circuit Current	300A
Charge Methods: Constant Voltage Charge 77°F(25°C)	2.40-2.45VPC
Cycle use	2.4A
Maximum charging current	-30mV/°C
Temperature compensation	2.23-2.30VPC
Standby use	-20mV/°C
Temperature compensation	

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

End Point	5min	10min	15min	30min	1h	3h	5h	20h
Volts/Cell	18.0	14.3	7.99	4.20	1.78	1.22	0.63	0.32
1.60V	28.0	18.0	14.3	7.99	4.20	1.78	1.22	0.63
1.65V	26.6	17.1	13.8	7.67	4.08	1.74	1.15	0.63
1.70V	25.2	16.2	13.2	7.35	3.95	1.70	1.10	0.60
1.75V	23.7	15.4	12.6	7.00	3.75	1.63	1.05	0.56
1.80V	21.7	14.0	12.2	6.78	3.53	1.60	1.03	0.51

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

End Point	5min	10min	15min	30min	45min	1h	2h	3h	5h
Volts/Cell	34.0	26.7	14.7	10.80	8.40	4.83	3.44	2.21	
1.60V	50.6	34.0	26.7	14.7	10.80	8.40	4.83	3.44	2.21
1.65V	48.1	32.3	25.6	14.1	10.30	8.05	4.70	3.36	2.16
1.70V	45.6	30.6	24.6	13.5	9.79	7.65	4.59	3.28	2.11
1.75V	43.1	28.8	23.6	13.0	9.34	7.30	4.45	3.18	2.06
1.80V	40.5	27.2	22.5	12.5	9.10	7.11	4.29	3.05	1.93

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