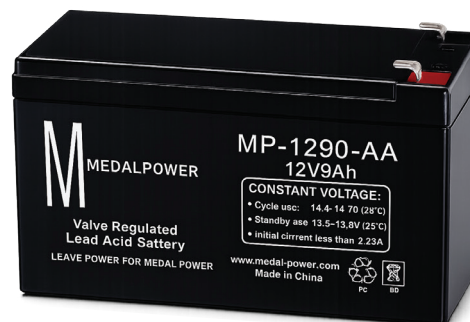
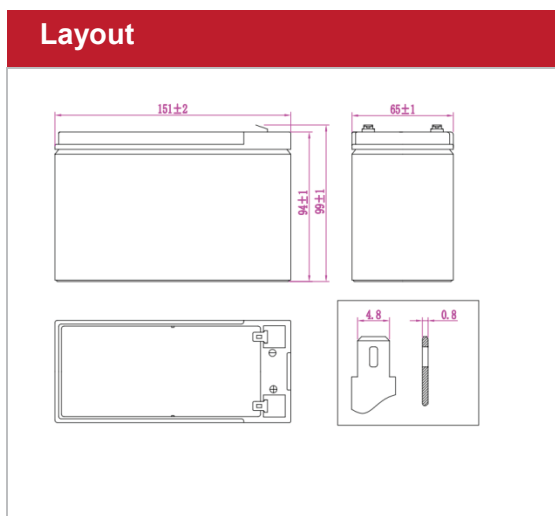


MP-1290-AA

Layout



Specifications

Nominal Voltage	12 V
Nominal Capacity(C20)	9Ah(1.75V/cell@25°C)
Dimensions	151*65*94*99mm
Approx .Weight	2.45 kg (1 ±3%)
Internal Resistance	Approx.18mΩ@25°C
Terminal	F1、 F2
Operating Temperature Range	Discharge : -20°C ~ 55°C (-4~131°F)
	Charge : 0°C ~ 40°C (32~104°F)
	Storage : -20°C ~ 45°C (-4~113°F)
Nominal Operating Temperature Range	25±3°C (77±5°F)
Max. Charging Current	2.25A @25°C
Charging voltage(25°C)	Float : 2 .25V ~2 .30V/cell
	Temp.Coeffcient : -3mV/°C
	Equalization : 2 .35V ~2 .40V/cell
	Temp.Coeffcient : -4mV/°C
Effect of temperature to rated Capacity(C20)	40°C (104°F) 105%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	≤3%/month@ 25 °C
Casing material	ABS(UL94 HB or V-0 optional)

Constant Current Discharge*(Amperes @25°C/77° F)												
Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	33.6	21.7	16.4	9.35	5.59	3.27	2.35	1.88	1.59	1.060	0.867	0.464
1.70V	29.6	20.0	15.3	8.94	5.40	3.18	2.28	1.83	1.55	1.040	0.848	0.454
1.75V	27.6	19.1	14.8	8.75	5.31	3.13	2.25	1.80	1.53	1.030	0.838	0.450
1.80V	25.5	18.2	14.3	8.54	5.21	3.08	2.22	1.78	1.51	1.010	0.828	0.445
1.85V	23.5	17.3	13.7	8.33	5.12	3.03	2.18	1.75	1.49	1.000	0.818	0.440

Constant Power Discharge*(Watts/Unit @25°C/77° F)												
Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	61.8	40.4	30.6	17.7	10.70	6.32	4.57	3.66	3.12	2.10	1.72	0.927
1.70V	55.2	37.6	29.0	17.1	10.40	6.17	4.46	3.58	3.05	2.06	1.68	0.909
1.75V	51.7	36.0	28.1	16.8	10.30	6.09	4.40	3.54	3.01	2.03	1.66	0.899
1.80V	48.2	34.6	27.3	16.4	10.10	6.01	4.35	3.50	2.98	2.01	1.64	0.890
1.85V	44.7	33.1	26.4	16.1	10.00	5.93	4.29	3.45	2.94	1.99	1.63	0.881

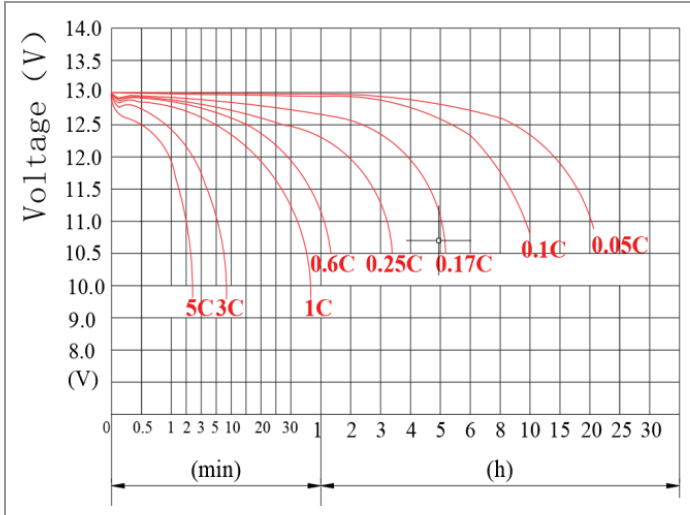
General Features

- 5 years design life
- Very low Self-discharge rate
- Wide range of operating temperature
- 100% Sealed and maintenance free
- Good conductivity
- Excellent charge acceptance
- Safe and reliable explosion-proof regulating valve

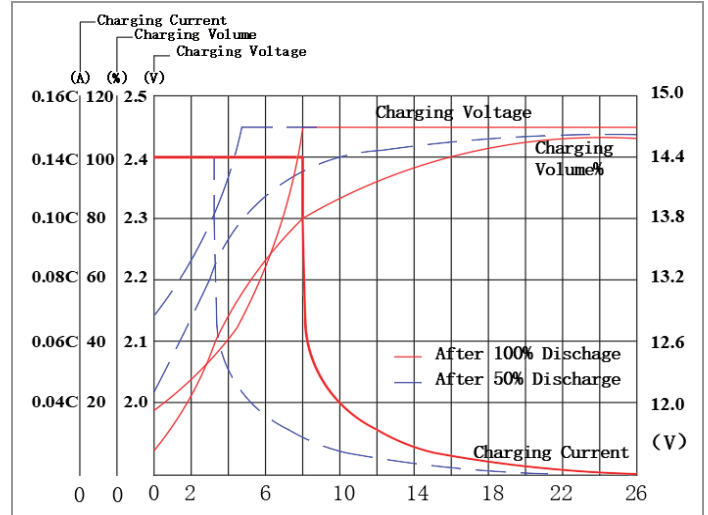
Applications

- Telecommunications
- UPS、 Data Center
- Energy Storage,Electric Systems
- Emergency Lighting,Security
- Medical,Electronic Equipment
- Motive Power

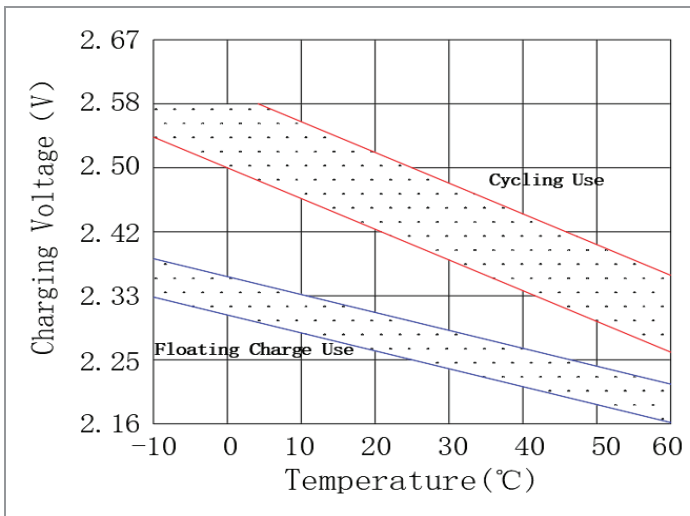
Discharge Characteristics(25°C)



Charging Characteristics(25°C)



Rel.The betweenTemp. and Charging Volt.



Capacity Retention Characteristics

