EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

AGM battery 6V | 1.3Ah | max. 19.5A

Product code: 53041



Applications

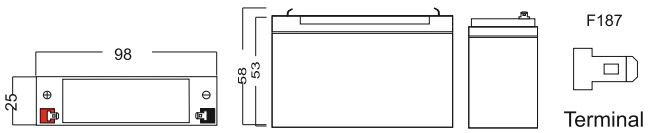
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology

CE RoHS

Dimension: 98(L)×25(W) ×53 (TH) Unit: mm



Specification

Nominal Voltage	6V		
Nominal Capacity	1.3Ah		
Design life	5 years		
Terminal	F187		
Approx. Weight	Approx0.30kg (0.66lbs)		
Container Material	ABS		
Rated Capacity	1.300Ah	20Hour Rate	(0.065A to 5.25V)
	1.011Ah	3Hour Rate	(0.337A to 5.25V)
	0.858Ah	1Hour Rate	(0.858A to 4.80V)
Internal resistance	Full charged at 25°C:	60.0 mΩ	
Max. Discharge Current	19.5A(5S)		
Operating Temperature	Discharge: -20 ~50℃(-4~ 122°F)		
	Charge: -20 ~50 ℃(-4~ 122°F)		
	Storage: -20 ~50℃(-4~ 122°F)		
Charge Method (25 °C)	Charge current: Max.0.33A ; Recom.0.13A		
	Float Charge: 6.75-6.90V,recom.6.75V(-9mV/ °C)		
	Equalize charge:6.90-7.05V,recom.7.05V(-12mV/ °C)		
	Cycle charge:7.20-7.50V,recom.7.20V(-15mV/ °C)		
Self discharge	3% of capacity declined per month at 25°C		

Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	5.15	3.37	2.51	1.64	0.858	0.491	0.359	0.287	0.244	0.161	0.129	0.069
1.65V	5.11	3.22	2.30	1.56	0.806	0.472	0.348	0.278	0.239	0.159	0.127	0.068
1.70V	4.19	3.03	2.15	1.51	0.780	0.463	0.342	0.264	0.237	0.156	0.125	0.066
1.75V	3.89	2.89	2.00	1.48	0.753	0.451	0.337	0.260	0.226	0.152	0.122	0.065
1.80V	3.58	2.72	1.86	1.43	0.727	0.439	0.319	0.255	0.217	0.148	0.120	0.062

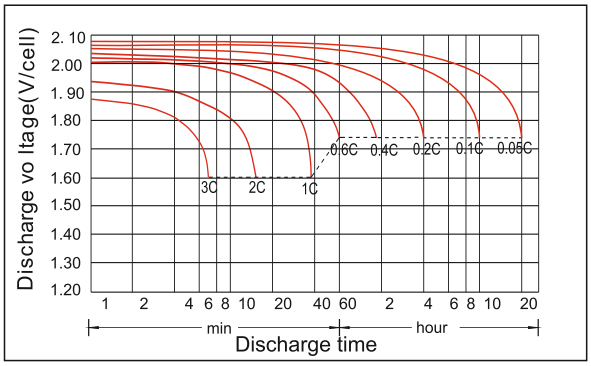
Constant Power Discharge Characteristics Unit: W/cell (25 ℃,77℉)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	9.66	6.07	4.59	2.78	1.57	0.921	0.678	0.544	0.462	0.304	0.249	0.137
1.65V	8.91	5.74	4.31	2.76	1.48	0.886	0.659	0.527	0.453	0.300	0.245	0.133
1.70V	8.15	5.57	4.12	2.75	1.43	0.869	0.648	0.501	0.440	0.297	0.243	0.132
1.75V	7.39	5.40	3.97	2.72	1.39	0.849	0.639	0.494	0.431	0.284	0.237	0.129
1.80V	6.63	5.22	3.79	2.70	1.37	0.843	0.622	0.490	0.420	0.275	0.232	0.128

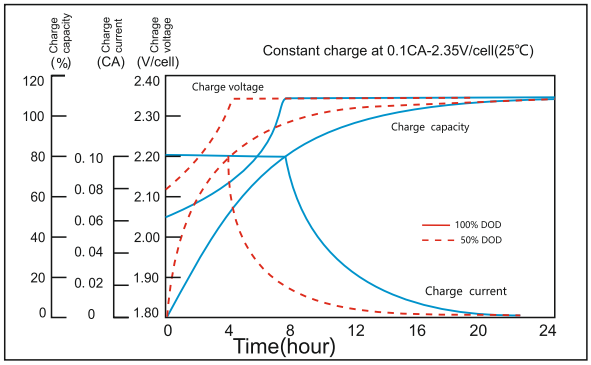
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

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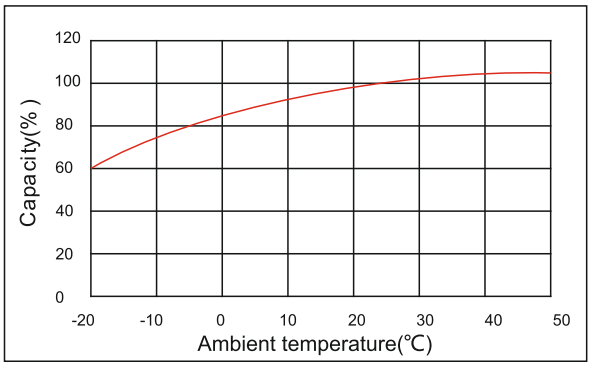
Discharge characteristic



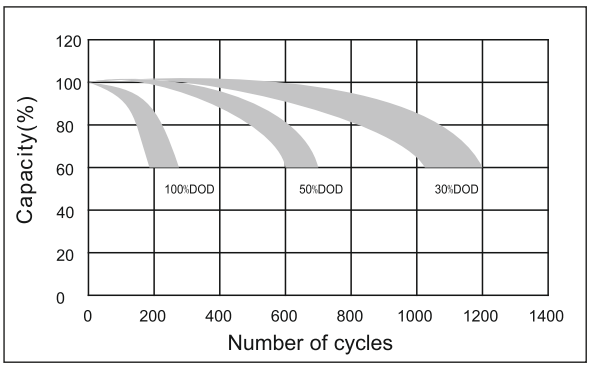
Charging characteristic



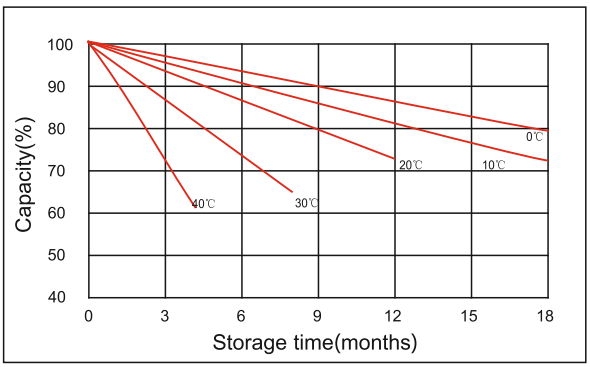
The effect of temperature on capacity



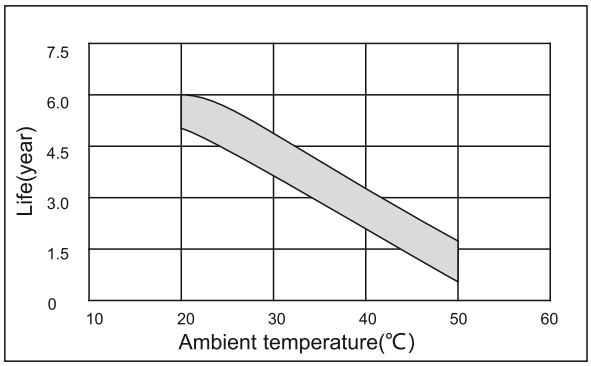
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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