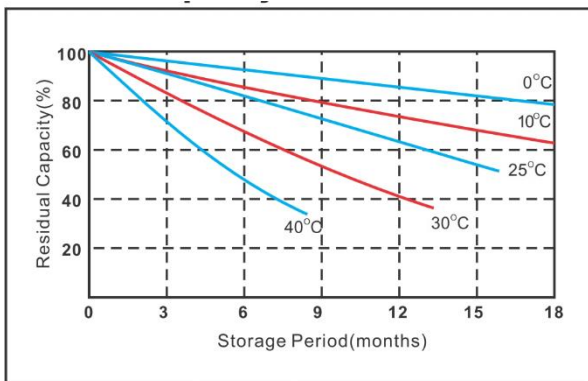


## PT28-12

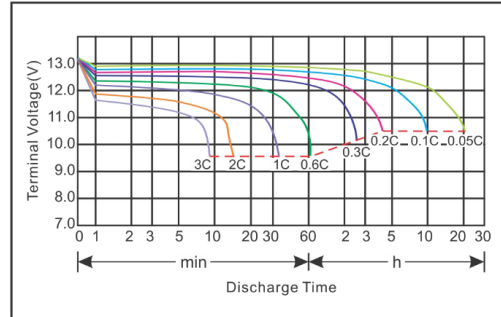
### Parameter Chart

Volts		12V	
Capacity(25°C)	20 hours rate (1.4A)	28Ah	
Discharge Current Testing (25°C)	20 I <sub>20</sub> rate (28A,27min)	38min	
	60 I <sub>20</sub> rate (84A,7min)	9min	
Internal Resistance	Full Charged Battery 25°C	8.5mΩ	
Capacity Affected By Temperature	40°C	104%	
	25°C	100%	
	0°C	83%	
	-15°C	65%	
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%	
	Capacity After 6 Months Storage	82%	
	Capacity After 12 Months Storage	65%	
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 8.4A Voltage 14.5~14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight (Approx)		8.8Kg	

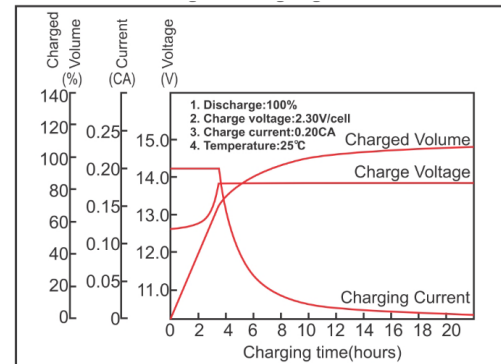
### Residual Capacity



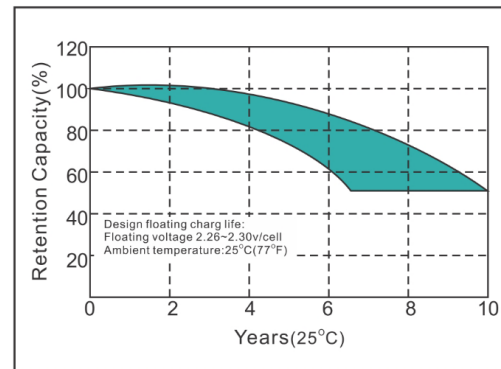
### Discharge current 25°C



### Constant Voltage Charging Characteristics



### Float Life





**Constant Current Discharge Characteristics (A,25°C)**

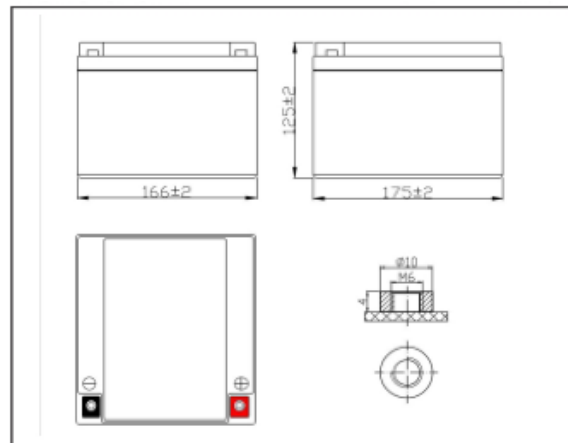
F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	110.5	69.1	51.3	30.6	19.2	9.8	7.1	4.9	3.1	2.6	1.5
10.2V	104.6	65.6	49.3	29.4	18.5	9.7	7.0	4.8	3.0	2.6	1.4
10.5V	101.7	64.1	48.3	28.7	18.1	9.6	6.9	4.7	3.0	2.5	1.4
10.8V	98.7	61.7	46.8	27.9	17.6	9.5	6.9	4.7	3.0	2.5	1.4

**Constant Power Discharge Characteristics (watt,25°C)**

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1233.8	779.7	585.3	350.4	223.1	114.5	84.5	58.0	36.9	32.5	16.9
10.2V	1171.6	740.3	561.6	336.6	214.2	112.5	83.2	57.1	36.6	32.2	16.7
10.5V	1134.1	722.5	549.8	326.7	208.3	111.5	82.5	56.7	36.4	31.4	16.6
10.8V	1101.5	695.8	534.0	319.8	203.3	110.5	81.6	56.1	36.1	30.6	16.2

**Capacity Factors with Different Temperature**

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%



ISO 9001  
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