

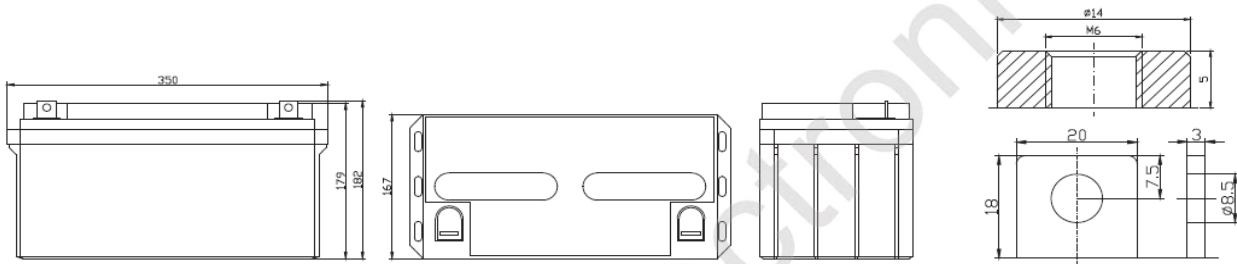
MODEL :PEC 12-65

PE12-65 is a general purpose battery with 10 years floating design life, meet with IEC, JIS .BS and Eurobat standard. With heavy duty grid, thickness plates, special additives, PE series battery have long and reliable standby service life. Our PE Series batteries keep high consistent for better performance in series



Dimensions

Unit: mm Dimension: 350(L)×167(W)×180(H)



Specification

Capacity: 65Ah@10hr-rate to 1.80V per cell @25°C

Voltage	12V
Weight	Approx.21.0 Kg
Max. Discharge Current	650A (5 sec)
Internal Resistance	Approx. 6mΩ
Operating Temperature Range	Operation(maximum) : -20 to 55°C
	Operation(recommended) 20 to 30°C
	Storage : -20 to 40°C
Self Discharge	less than 3%per month@25° C

Maintenance

Float Charging Voltage:	13.6 to 13.8 V@25°C
Equalization and Cycle service voltage	14.6 to 14.8 V@25°C
Temp.compensate coefficient:	-3mV/°C/cell
Maximum charge current:	19.5A
Every three months, recommend equalization charge	

Constant Current Discharge Characteristics: A (25°C)

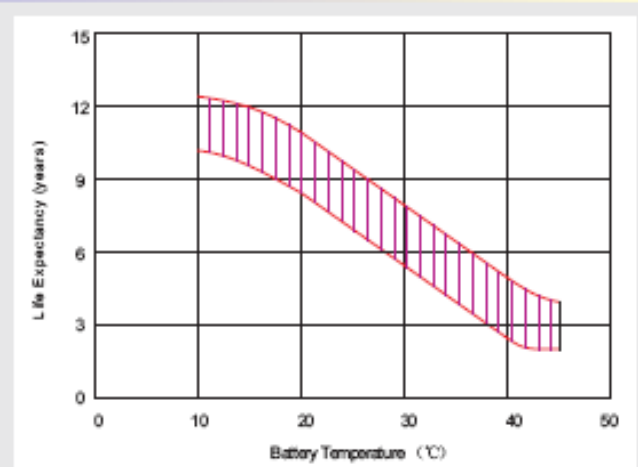
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	227.14	167.23	121.68	74.75	42.25	23.60	16.97	14.04	11.49	8.07	6.83	3.61
10.0V	220.57	159.12	119.18	73.51	42.05	23.42	16.90	13.98	11.42	8.01	6.76	3.54
10.2V	214.03	153.50	117.31	72.86	41.66	23.25	16.77	13.91	11.36	7.94	6.70	3.48
10.5V	192.19	141.65	111.70	71.04	41.27	23.07	16.71	13.78	11.22	7.88	6.63	3.41
10.8V	173.47	129.17	102.96	67.92	40.30	22.65	16.25	13.46	11.02	7.75	6.56	3.35
11.1V	151.01	115.44	92.35	63.63	38.28	21.65	15.54	12.81	10.55	7.42	6.37	3.15

Constant Power Discharge Characteristics: W(25°C)

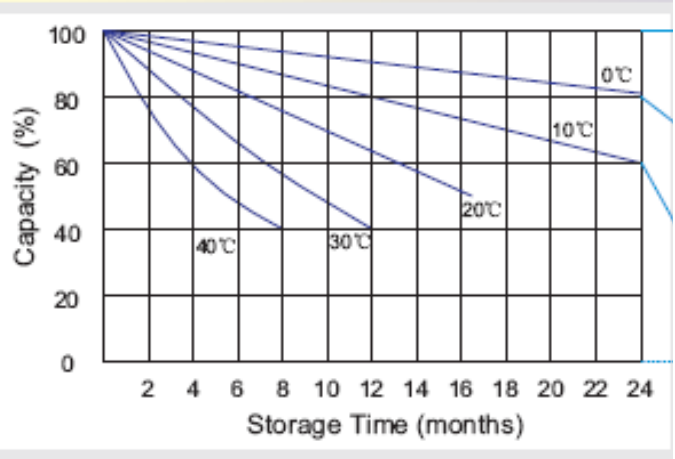
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.6V	238.22	177.3	130.3	80.39	48.21	27.15	19.57	16.24	13.04	9.36	7.77	4.54
10.0V	231.85	169.5	128.1	79.39	48.07	27.04	19.53	16.18	13.23	9.30	7.58	4.15
10.2V	224.87	164.9	126.4	78.13	47.36	26.79	19.42	16.10	13.18	9.25	7.58	3.76
10.5V	202.50	151.2	120.6	76.34	47.26	26.54	19.30	15.90	13.06	9.17	7.48	3.36
10.8V	182.15	137.5	110.8	72.95	46.98	26.15	18.87	15.56	12.85	8.97	7.40	3.97
11.1V	157.23	122.4	99.45	68.57	43.80	24.99	17.90	14.82	12.09	8.66	7.15	3.39

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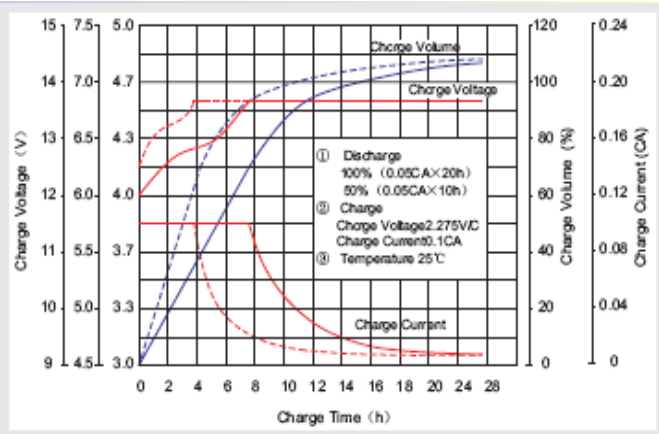
Effect of temperature on float life time



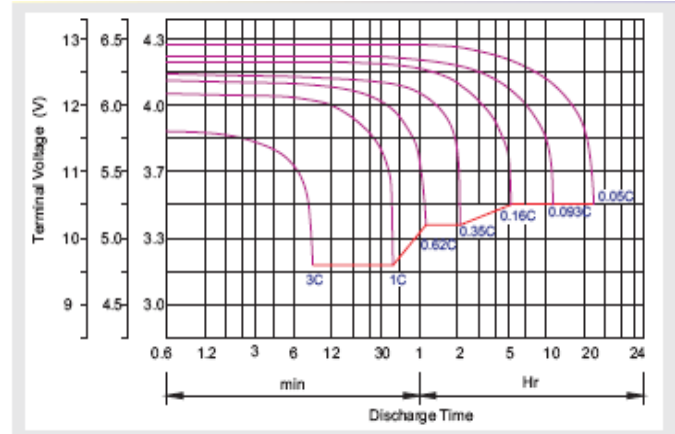
Storage characteristic



Charge characteristic Curve for standby use



Discharge characteristic Curve



Capacity Factors at Different Temperature

-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
46%	66%	76%	83%	90%	98%	100%	103%	107%	109%

Equalization charge method:

First charge the batteries,

then charge the batteries with constant voltage of 2.45V/cell, the time of equalization charge is 24 hours@25°C

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