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PCD12-65 ▶

12V 65Ah

PCD 12-65 is an AGM deep cycle, stationary type, especially designed for cyclic use. By using strong grid and specific alloy, this series battery have an excellent performance on more than 3 hrs of large current discharge and more life time than other general models up to 10 years.



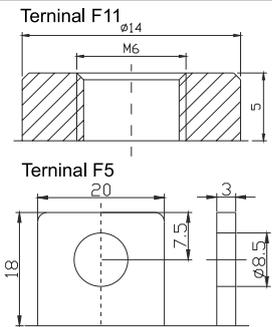
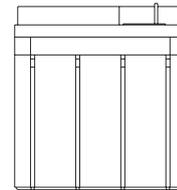
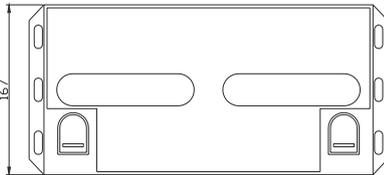
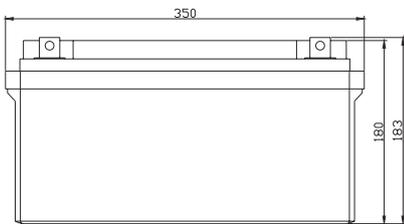
Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	65Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 19.0 Kg
Max. Discharge Current	450 A (5 sec)
Internal Resistance	Approx. 6 mΩ
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ± 5°C
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	19.5A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25°C
Self Discharge	PCD batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Terminal	Terminal F5/F11
Container Material	A.B.S. (UL94-HB) , Flammability resistance of UL94-V1 can be available upon request.



Dimensions

Unit: mm Dimension: 350(L)×167(W)×183(H)



Constant Current Discharge Characteristics Unit: A (25°C)

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	224.0	160.5	116.8	71.76	40.56	23.00	16.29	13.48	10.61	7.751	6.554	3.466
1.65V	218.1	152.8	114.4	70.57	40.37	22.82	16.22	13.42	10.55	7.688	6.491	3.403
1.70V	205.5	147.4	112.6	69.95	40.00	22.65	16.10	13.35	10.48	7.625	6.428	3.340
1.75V	184.5	136.0	107.2	68.20	39.62	22.47	16.04	13.23	10.36	7.562	6.365	3.277
1.80V	166.5	124.0	98.84	65.21	38.69	22.05	15.60	12.92	10.17	7.436	6.302	3.214
1.85V	145.0	110.8	88.66	61.09	36.75	21.70	14.91	12.29	9.734	7.121	6.113	3.025

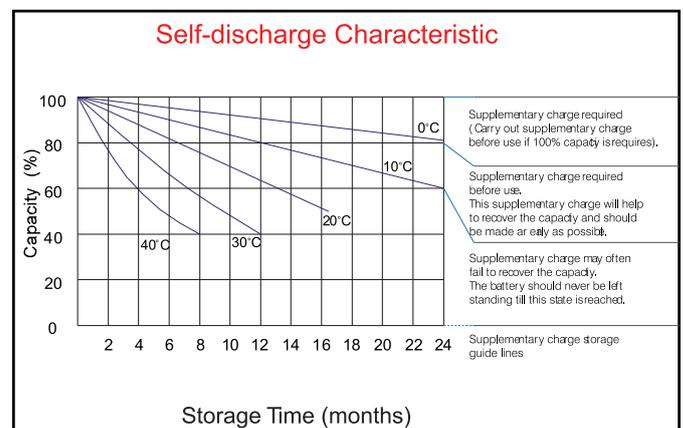
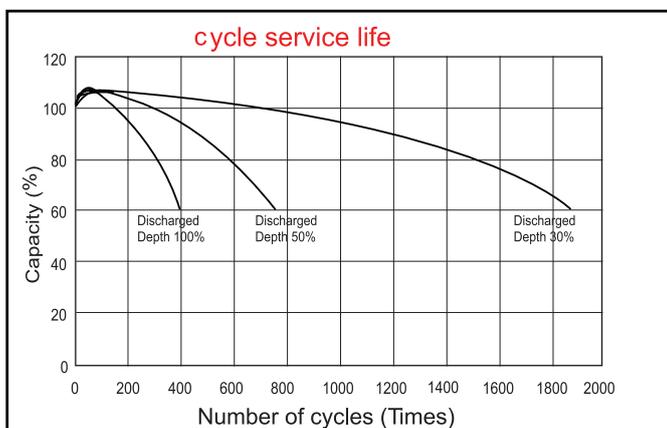
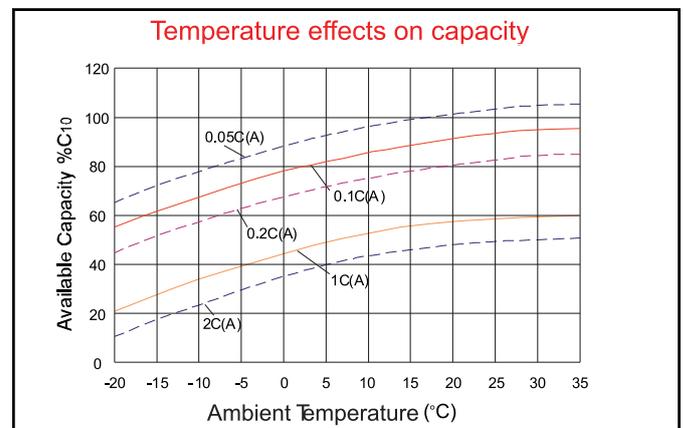
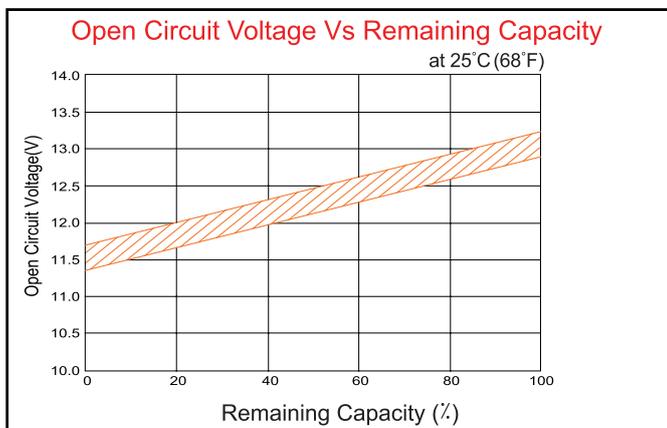
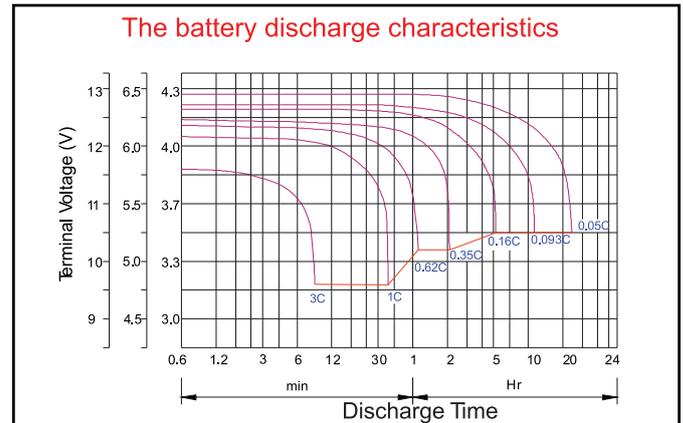
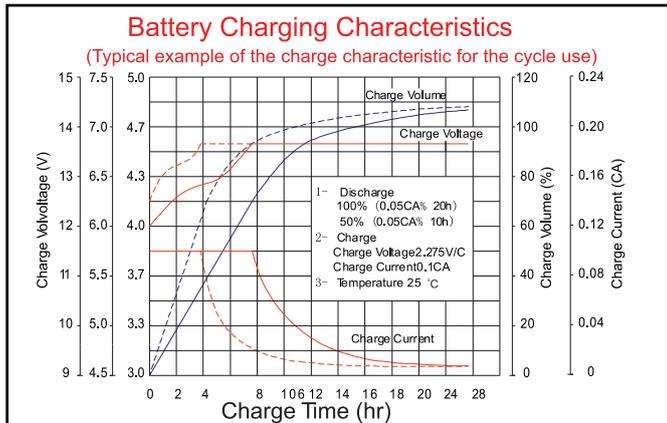
Constant Power Discharge Characteristics Unit: W (25°C)

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	2335	1707	1257	809.8	463.9	272.1	187.9	155.8	122.8	89.94	73.69	38.93
1.65V	2287	1631	1231	799.7	461.6	271.0	187.6	155.4	122.1	89.57	72.94	38.55
1.70V	2159	1576	1214	790.4	458.3	268.5	186.5	154.6	121.7	88.81	72.56	38.17
1.75V	1944	1456	1158	772.4	453.8	266.0	185.3	153.5	120.6	88.06	71.80	37.79
1.80V	1749	1322	1064	737.2	442.5	262.1	180.8	149.4	118.7	86.17	71.05	37.41
1.85V	1509	1174	949.9	690.8	419.3	250.0	171.8	142.3	112.7	83.14	68.78	35.90

All mentioned values are average values.

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PCD12-65 12V65Ah



Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.3C
Standby	25°C(77°F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C