

PVC batteries



PVC

PVC is a Maintenance free and easy to use. Contemporary advanced technology research and development of new **high-performance** batteries, It can be widely used in solar energy, wind energy, telecommunication systems, off-grid systems , UPS and other fields. The designed life for the battery could be **twelve years up** for float use.

Test and certificates:

Our PVC batteries obtained IEC 60896-21 2004 , IEC 60896-22 2004 , IEC61427 Certificate and CE certificate, they're internationally recognised certificates and passed successfully as well all the international tests by a third party organisation.

APPLICATION



Solar energy



Wind energy



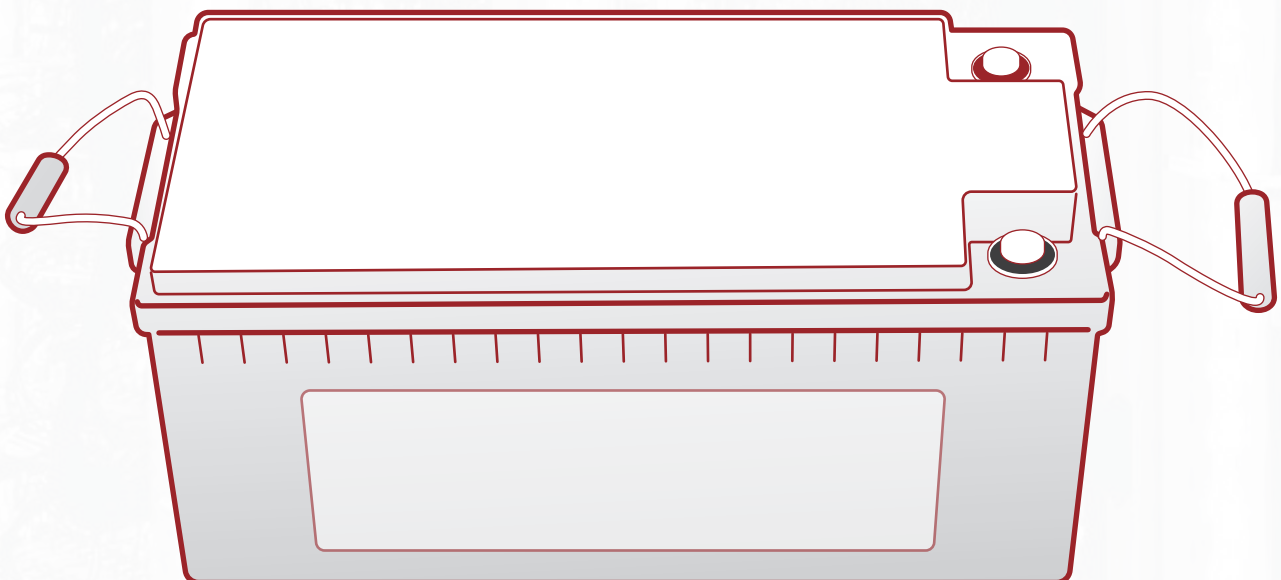
UPS



Telecommunication systems

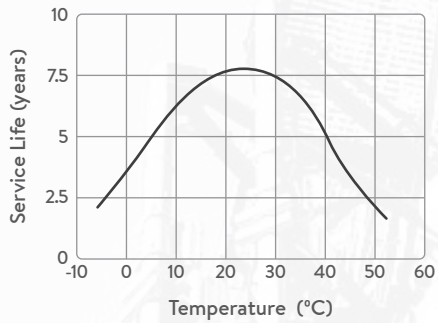


Off-grid systems

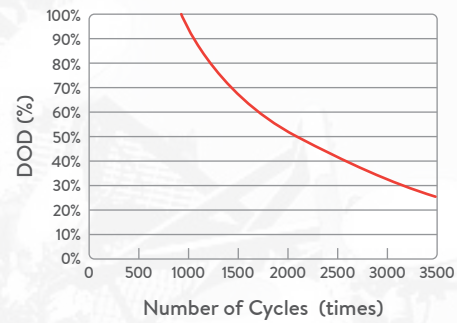


PERFORMANCE CHARACTERISTICS

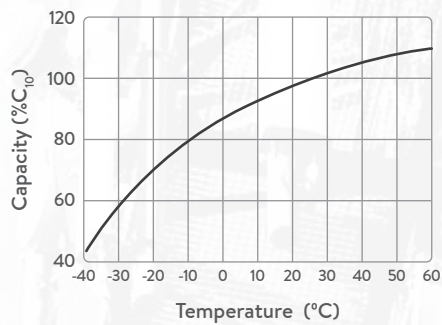
Temperature and Service life



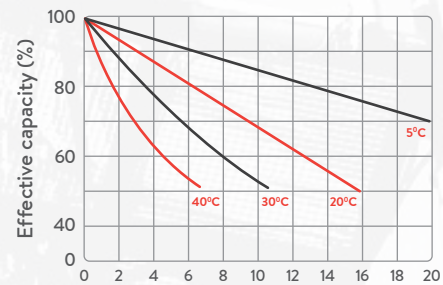
Cycle Service Life (25°C/77°F)



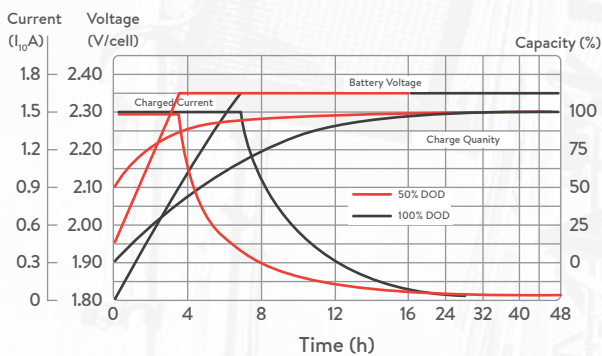
Temperature and discharge capacity



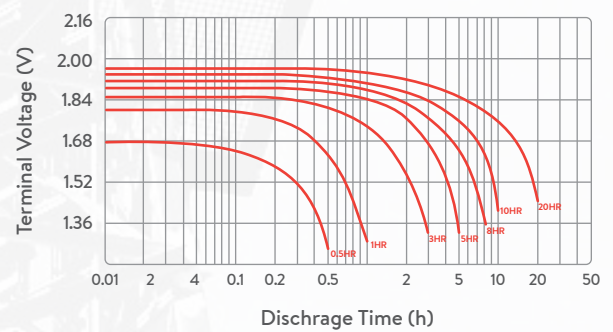
Self Discharge Parameters Characteristics



Constant-potential Charge



Discharge Characteristics at Various Rates (25°C/77°F)



TECHNICAL SPECIFICATION

Using Temperature	Charge Voltage (25°C)	Temperature Compensation Coefficient(25°C)	Cycle life	Capacity Affected by Temperature
Discharge: -45°C~50°C Charge: -20°C~45°C Storage: -30°C~40°C	Float Charge: 13.4V-13.7V Average Charge: 14.1-14.4V	Float Temperature Compensation Coefficient -3mV/Cell°C Equalization Temperature Compensation Coefficient -4mV/Cell°C	100%DOD 840 times 50%DOD 2130 times 30%DOD 2359 times	105 % @ 40°C 85 % @ 0°C 60 % @ -20°C

PVC 12V- 100Ah

Rated Voltage	Capacity (10hr,1.8 0V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25°C)	Recommended Using Temperature	Cover Material	Separator
12V	100Ah	37Kg	30I 10A (3min)	≤0.25C10	<3%/month	15°C~25°C	ABS	PVC

Constant current discharge coefficient (25°C, A)

Terminal Voltage (V/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	53.10	24.14	16.13	10.41	5.38	2.26	1.23	1.09	0.57
1.75	52.04	23.89	15.85	10.26	5.25	2.17	1.15	1.01	0.53
1.8	51.00	23.67	15.60	10.00	5.13	2.10	1.10	0.95	0.51
1.85	48.96	23.53	15.30	9.59	4.88	2.01	1.03	0.89	0.46
1.9	47.01	23.33	15.07	9.39	4.79	1.95	0.99	0.85	0.43
1.95	44.94	22.86	14.76	8.87	4.46	1.81	0.94	0.81	0.41

PVC 12V- 150Ah

Rated Voltage	Capacity (10hr,1.8 0V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25°C)	Recommended Using Temperature	Cover Material	Separator
12V	150Ah	57,5Kg	30I 10A (3min)	≤0.25C10	<3%/month	15°C~25°C	ABS	PVC

PVC 12V- 150Ah

Constant current discharge coefficient (25°C, A)

Terminal Voltage (v/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	79.65	36.21	24.20	15.61	8.06	3.39	1.84	1.63	0.86
1.75	78.06	35.84	23.77	15.39	7.88	3.26	1.72	1.52	0.80
1.8	76.50	35.50	23.77	15.00	7.69	3.15	1.65	1.42	0.76
1.85	73.44	35.30	22.95	14.38	7.31	3.02	1.54	1.33	0.69
1.9	70.51	34.99	22.61	14.08	7.19	2.93	1.49	1.27	0.65
1.95	67.41	34.29	22.14	13.30	6.69	2.72	1.41	1.21	0.62

PVC 12V- 200Ah

Rated Voltage	Capacity (10hr,1.8 0V/Cell)	Weight	Max Discharge Current	Max Charge Current	Self-Discharge (25°C)	Recommended Using Temperature	Cover Material	Separator
12V	200Ah	72Kg	30I 10A (3min)	≤0.25C10	<3%/month	15°C~25°C	ABS	PVC

Constant current discharge coefficient (25°C, A)

Terminal Voltage (v/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	106.20	48.28	32.27	20.81	10.75	4.52	2.45	2.17	1.15
1.75	104.08	47.79	31.69	20.52	10.50	4.35	2.29	2.03	1.07
1.8	102.00	47.33	31.20	20.00	10.25	4.20	2.20	1.89	1.01
1.85	97.92	47.07	30.60	19.17	9.75	4.03	2.05	1.77	0.92
1.9	94.01	46.65	30.15	18.77	9.58	3.91	1.99	1.69	0.87
1.95	89.88	45.72	29.52	17.73	8.92	3.63	1.88	1.61	0.83



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