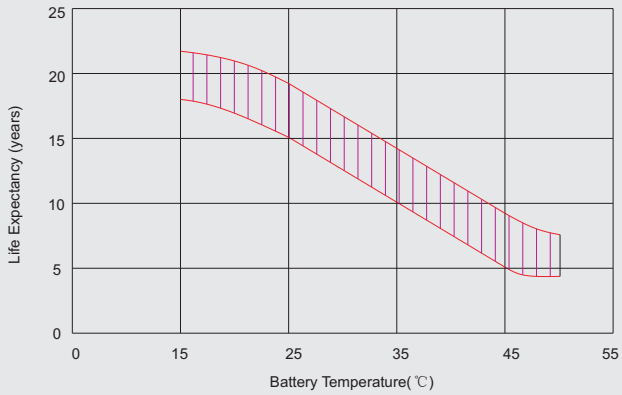
OPzV12-200

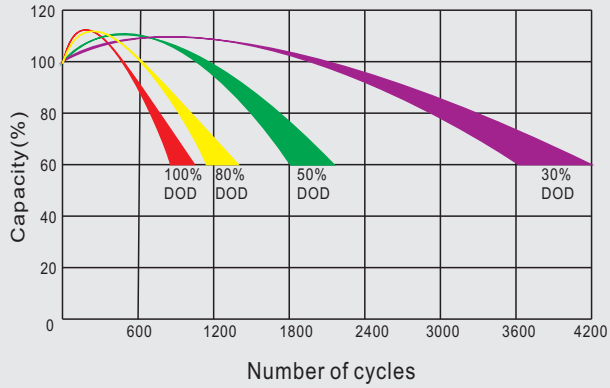
12V200Ah

RITAR®

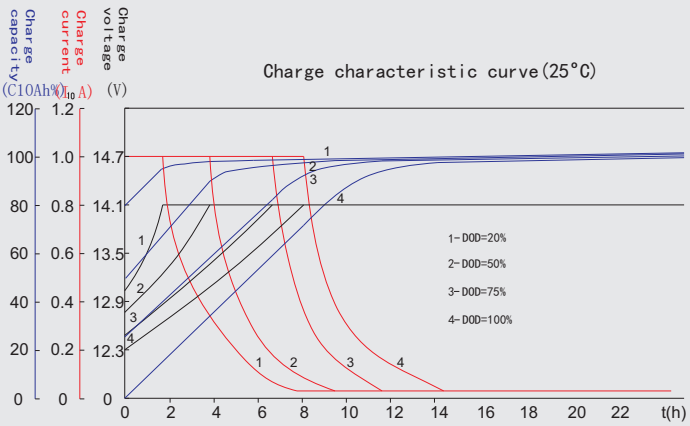
Effect of temperature on long term float life



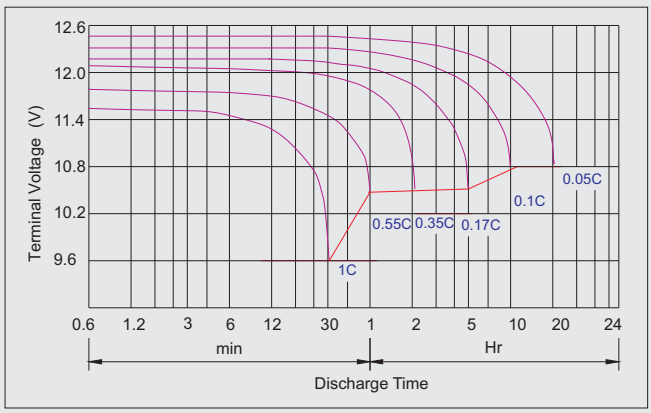
Life characteristics of cyclic use



Charge characteristic Curve for cyclic use



Discharge characteristic Curve



Long time discharge capacity for solar/wind application						
Capacity / Model	C24 (Ah)	C48 (Ah)	C72 (Ah)	C100 (Ah)	C120 (Ah)	C240 (Ah)
	F.V=1.85VPC					
OPzV12-200	201.4	212.8	223.4	228.0	232.6	246.2

Capacity factors vs temperature (OPzV series)											
Temperature	-30°C	-20°C	-10°C	0°C	10°C	20°C	25°C	30°C	40°C	45°C	50°C
Capacity	60%	75%	83%	89%	92%	99%	100%	103%	105%	107%	109%

Discharge Current VS. Final Voltage

Discharge current	Final voltage (V)
Idis≤0.1I10	1.90
0.1I10<Idis≤I10	1.85
I10<Idis≤4I10	1.80
4I10<Idis≤6I10	1.75
6I10<Idis≤10I10	1.70
Idis>15I10	1.60

Charge the batteries at least once every one year,if they are stored at 25℃.

Charging Method:

Constant Voltage	-0.2Cx2h+14.1~14.4V,24h,Max. Current 0.2CA
Constant Current	-0.2Cx2h+0.1CAx12h

Maintenance & Cautions

Float Service:
※ Every month, recommend inspection every battery voltage.
※ Every three months, recommend equalization charge for one time.
Equalization charge method:
Discharge: 40~50% rate capacity discharge.
Charge: Max. current 0.2CA, constant voltage 14.1-14.4V charge 24h.
※ Effect of temperature on float charge voltage: -3mV/℃/Cell.
※ Service life will be directly affected by the number of discharge
cycles, depth of discharge, ambient temperature and charging method.

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