

## 3-EVF-330

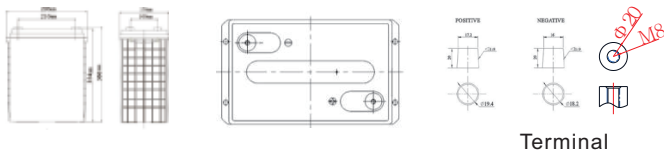


### General Features

- › High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- › High Energy Density and Power Density
- › Excellent Charge Acceptance Ability
- › Strong High and Low Temperature Performance
- › Optimized Capability of instant High-current Discharging
- › Low self-discharge rate



Dimension: 295(L)×178(W)×345(H)×348(TH) Unit: mm



Terminal

### Applications

- › Electric vehicle
- › Electric wheelchair
- › Electric scooter
- › Electric play car for children
- › Garbage truck
- › Patrol car

### Specification

Nominal Voltage	6V
Nominal Capacity	330Ah
Design life	5 years
Terminal	M8/DT
Approx. Weight	Approx 47.0kg (104lbs)
Container Material	ABS
Rated Capacity	<b>330Ah</b> 20Hour Rate (16.5A to 5.25V) <b>249Ah</b> 3Hour Rate (82.9A to 5.25V) <b>115Ah</b> 1Hour Rate (115A to 5.25V)
Internal resistance	Full charged at 25°C: 1.5 mΩ
Max. Discharge Current	3300A(5S)
Operating Temperature	Discharge: -20 ~50°C (-4 ~ 122°F) Charge: -20 ~50°C (-4 ~ 122°F) Storage: -20 ~50°C (-4 ~ 122°F)
Charge Method (25 °C)	Charge current: Max. 66.0A Float Charge: 6.75-6.90V, recom. 6.75V(-9mV/ °C) Equalize charge: 6.90-7.05V, recom. 7.05V(-12mV/ °C) Cycle charge: 7.15-7.25V, recom. 7.20V(-15mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

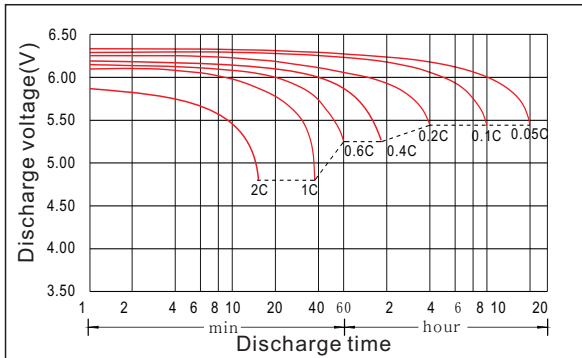
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1082	580	353	207	118	86.0	58.0	37.9	31.9	16.8
1.65V	1048	563	348	205	117	85.2	57.2	37.7	31.6	16.7
1.70V	1005	553	341	205	117	84.4	56.3	37.2	31.4	16.7
1.75V	925	533	338	200	115	82.9	56.1	37.0	31.0	16.5
1.80V	830	500	323	195	114	82.9	54.4	36.7	30.7	16.3
1.85V	741	445	296	181	107	77.5	51.9	35.2	29.8	16.1

### Constant Power Discharge Characteristics Unit: W/cell(25°C, 77°F)

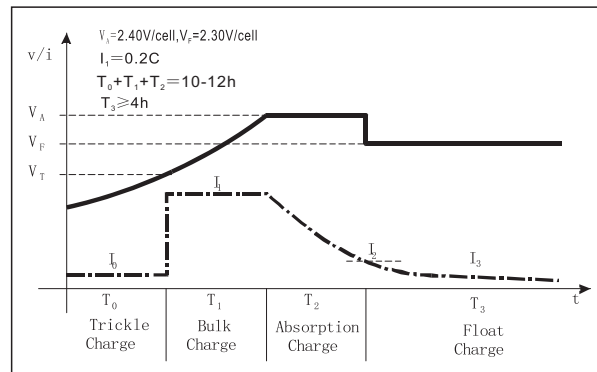
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1814	1025	642	391	224	163	110	73.7	61.4	33.2
1.65V	1747	1005	633	388	224	161	109	72.8	60.6	33.0
1.70V	1734	993	633	384	223	161	107	72.8	60.3	32.8
1.75V	1619	986	629	382	221	160	107	72.1	59.5	32.8
1.80V	1484	932	614	379	221	160	106	71.8	59.1	32.6
1.85V	1328	832	563	352	212	151	101	69.1	58.0	32.2

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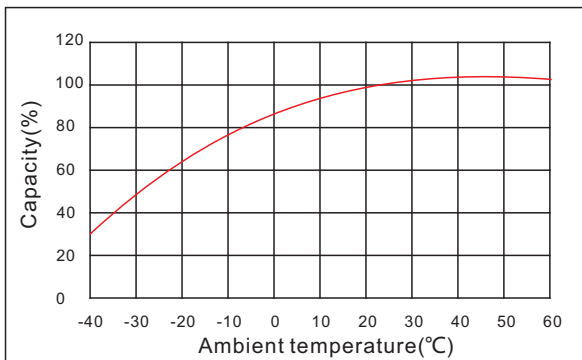
**Discharge characteristic**



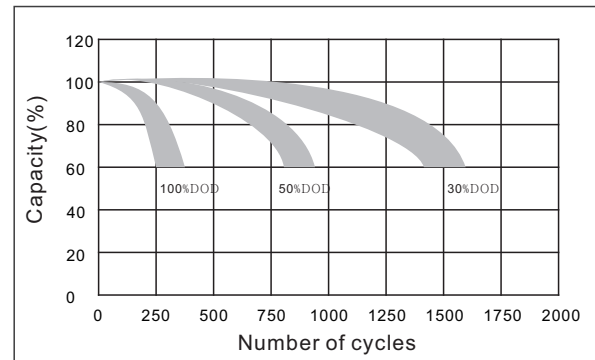
**Charging characteristic**



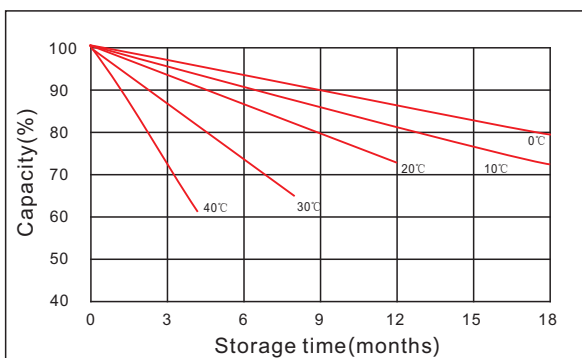
**The effect of temperature on capacity**



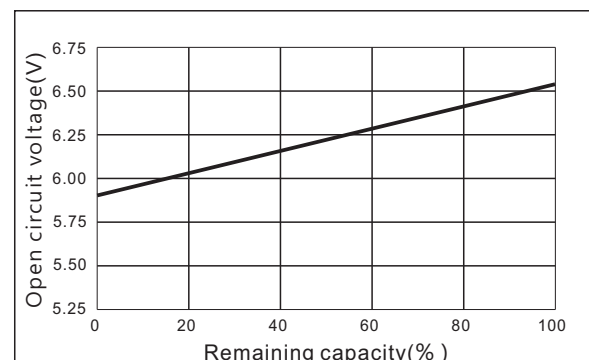
**The effect of discharge depth on cycle life**



**Curves of self-discharge**



**Curves of open circuit voltage vs. capacity**



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