



## UN300-6DC (6V300Ah/10hr)

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and thus immobilized.

In case the battery be accidentally overcharged producing hydrogen and oxygen, Special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

### Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

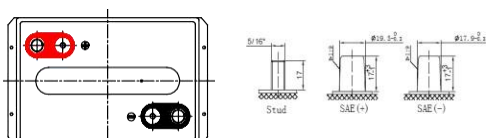
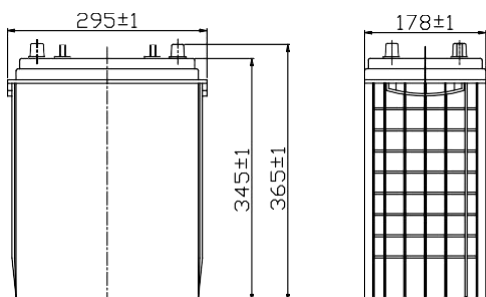
### General Feature

Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.

- Not restricted for air transport-complies with IATA/ICAO Special Provision A67. UL-recognized component. Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density. Long service life, float or cyclic applications. Maintenance-free operation.
- Low self discharge.

### SPECIFICATION

Nominal voltage..... 6V  
 Length(mm/inch).....295/11.6  
 Width(mm/inch.....178/7.01  
 Height(mm/inch).....345/13.6  
 Total Height(mm/inch).....365/14.4  
 Approx. Weight(kg/lbs).....48/105.8



### Performance Characteristics

Capacity 77°F(25°C)	20 hour rate (16.0A、5.4V)	320Ah
	10 hour rate (30.0A、5.4V)	300Ah
	5 hour rate (56 A、5.25V)	280Ah
	1 hour rate (200A、4.8V)	200Ah
Internal Resistance	Full charged Battery 77°F(25°C): 1.5m Ω	
Capacity affected by Temperature (10 hour rate)	104° F(40°C)	102%
	77° F(25°C)	100%
	32° F(10°C)	85%
	5° F(-15°C)	65%
Self-Discharge 68°F(20°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12month storage	60%
Max. discharge current 77°F(25°C): 1500A(5S)		
Charge (Constant Voltage)	Float: 6.8~6.9 V/77° F/(25°C)	
	Cycle: 7.35~7.45 V/77°F/(25°C) Max. Current: 60A	

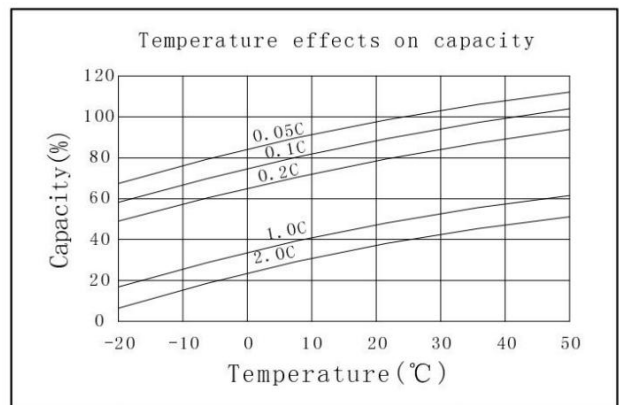
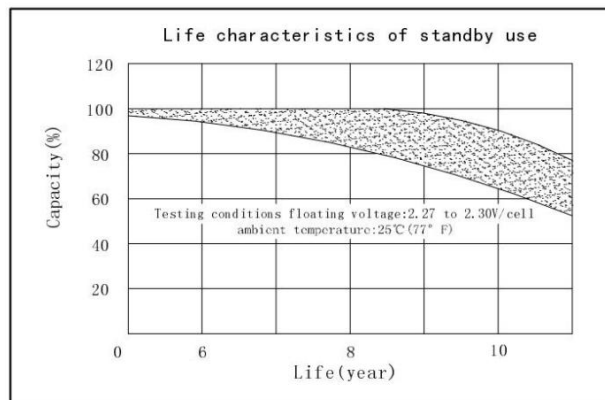
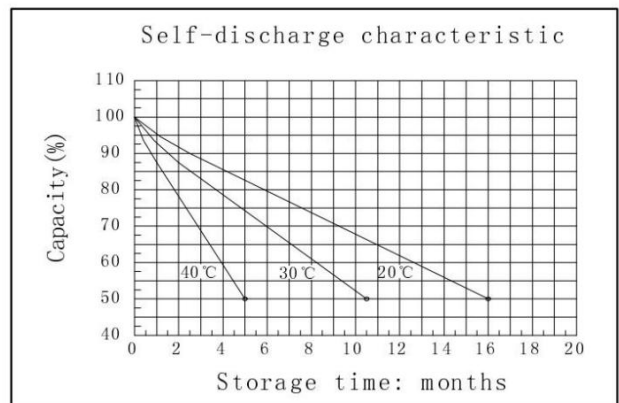
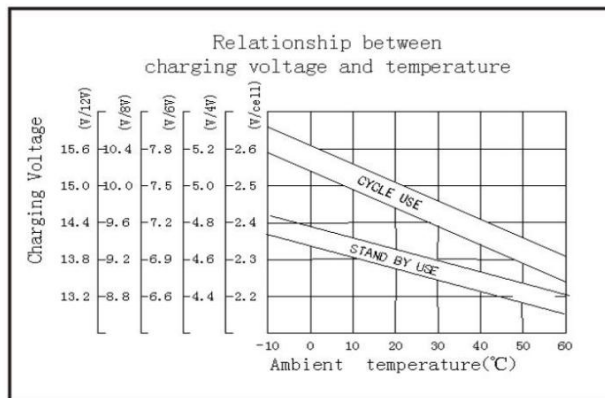
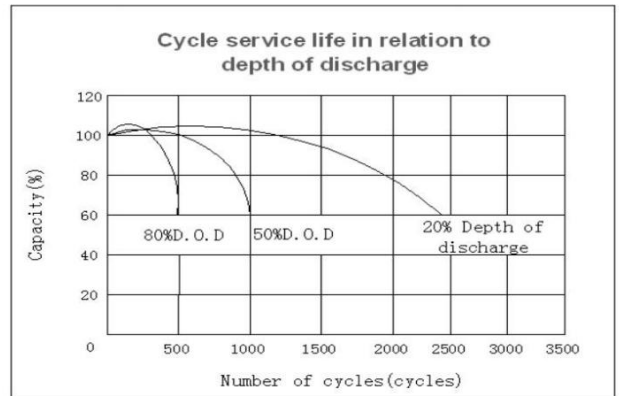
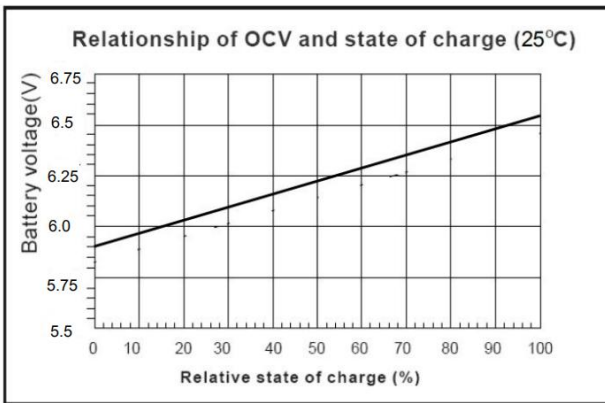
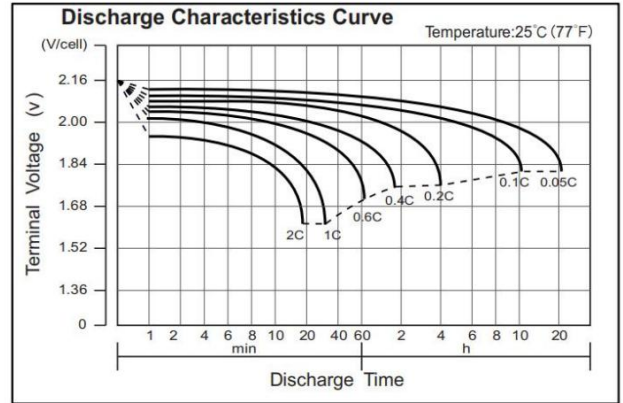
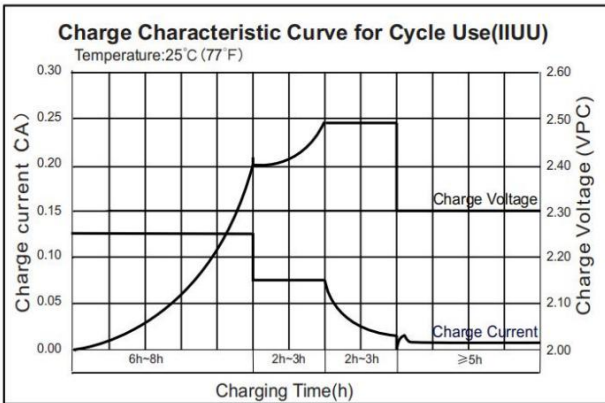
Discharge Constant Current (Amperes at 77° F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V					250	200	89.2	57.4	30.8
1.65V					241	196	88.2	57.0	30.7
1.70V					231	191	87.0	56.5	30.5
1.75V					221	185	85.8	56.0	30.3
1.80V					210	177	84.3	55.4	30.0

Discharge Constant Power (watts at 77° F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V					445	370	228	169	118
1.65V					429	358	223	167	117
1.70V					412	345	218	165	116
1.75V					394	332	212	162	115
1.80V					375	318	206	158	113

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.



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