UN70-12DC *(12V70Ah/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

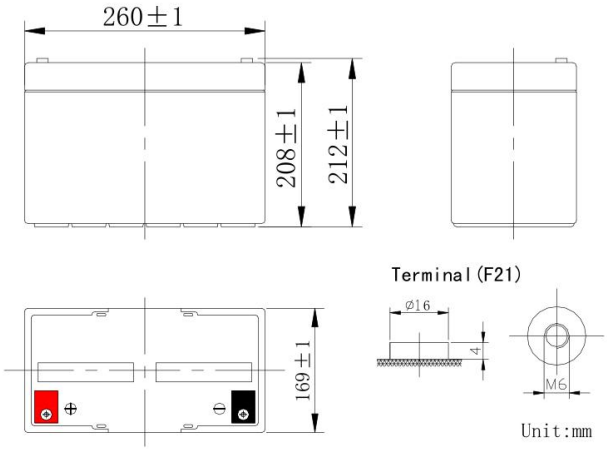
General Feature

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.....12V
Length(mm/inch).....260/10.2
Width(mm/inch.....169/6.65
Height(mm/inch).....208/8.19
Total Height(mm/inch).....212/8.35
Approx. Weight(kg/lbs).....22/48.5



Performance Characteristics

Capacity 77°F(25℃)	20 hour rate (3.75A、10.8V)	75Ah
	10 hour rate (70A 、10.8V)	70Ah
	5 hour rate (12.6A 10.5V)	63Ah
	1 hour rate (46A 、9.6V)	46Ah
Internal Resistance	Full charged Battery77°F(25℃): 5.8mΩ	
Capacity affected by Temperature (10 hour rate)	104° F(40℃)	102%
	77° F(25℃)	100%
	32° F(10℃)	85%
	5° F(-15℃)	65%
Self-Discharge 68°F(20℃)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12month storage	60%
Max. discharge current77°F(25℃): 700A(5S)		
Charge (Constant Voltage)	Float：13.6～13.8 V/77° F/(25℃)	
	Cycle:14.7～14.9 V/77°F/(25℃) Max. Current：14.0A	

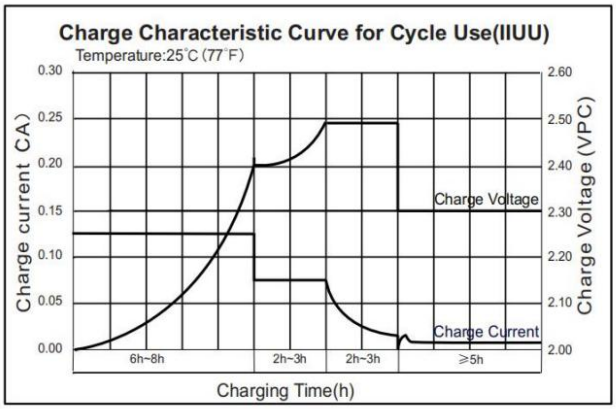
Discharge Constant Current (Amperes at 77° F25℃)

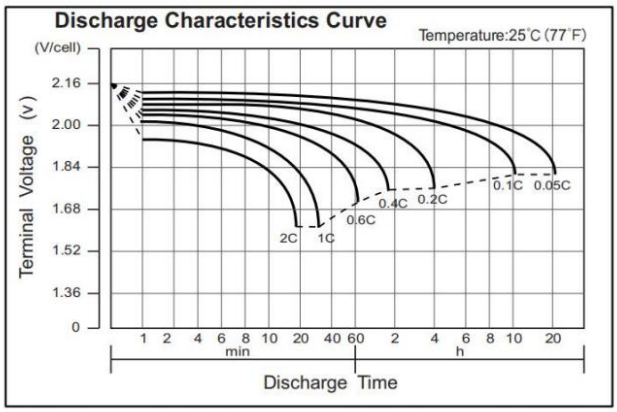
End Point Volts/Cell	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	168	130	75.0	46.0	19.4	12.9	7.40	3.90
1.65V	162	126	73.0	44.8	19.0	12.8	7.35	3.90
1.70V	155	121	71.0	43.5	18.5	12.6	7.25	3.85
1.75V	147	115	68.8	42.2	18.0	12.6	7.15	3.80
1.80V	138	109	66.4	40.8	17.4	12.1	7.00	3.75

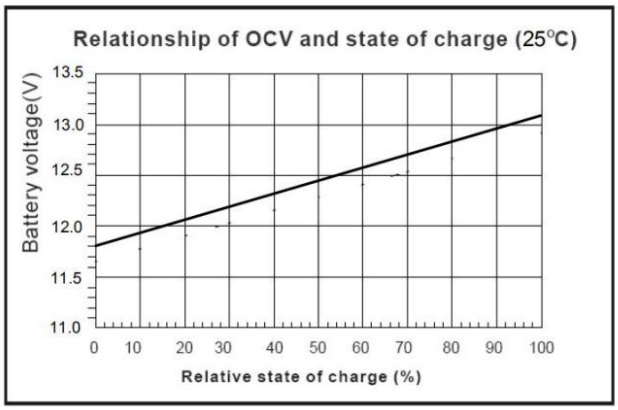
Discharge Constant Power (watts at 77° F25℃)

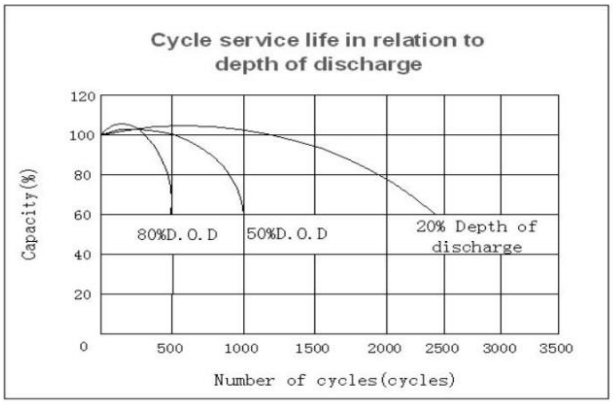
End Point Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	300	253	155	110	84.8	52.5	36.3	24.2
1.65V	287	245	148	105	81.3	50.9	35.4	23.8
1.70V	272	236	141	100	77.9	49.3	34.4	23.3
1.75V	258	226	135	95.2	74.3	47.3	33.5	22.8
1.80V	244	215	128	89.2	70.5	45.3	32.3	22.2

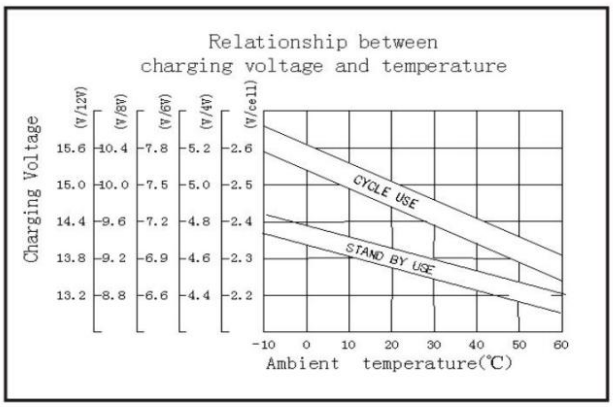
(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.

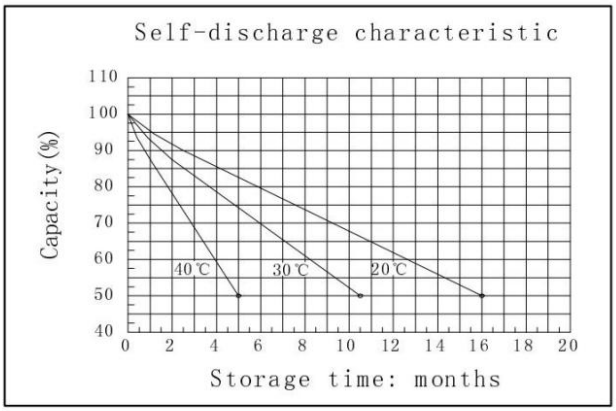


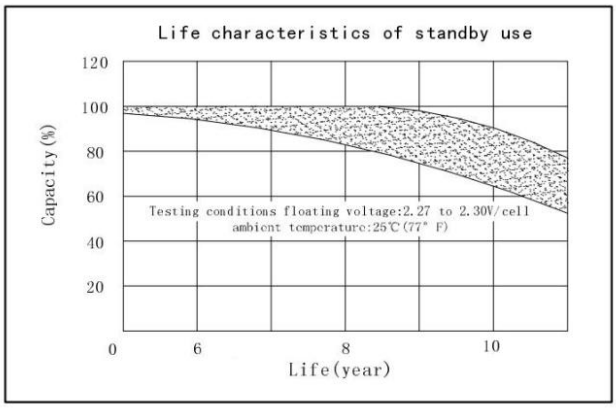


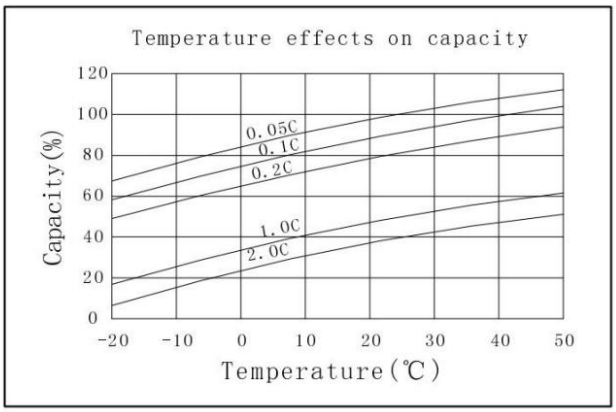












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