



VRLA Rechargeable Battery

AJC-D22S

YOUR BEST POWER SOURCE SOLUTIONS

FEATURES

AJC-D22S is a general purpose battery with 3~5 years service life under normal float charge at 25°C. AJC batteries are rechargeable Seal Lead highly efficient, leak proof and maintenance free.

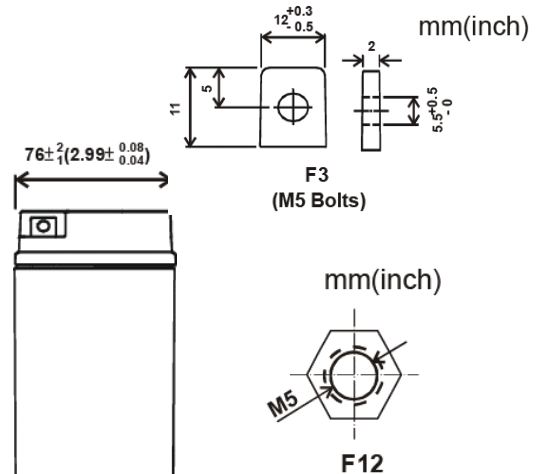
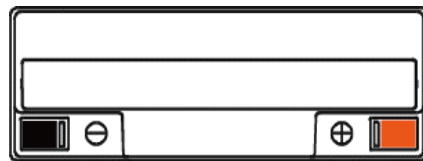
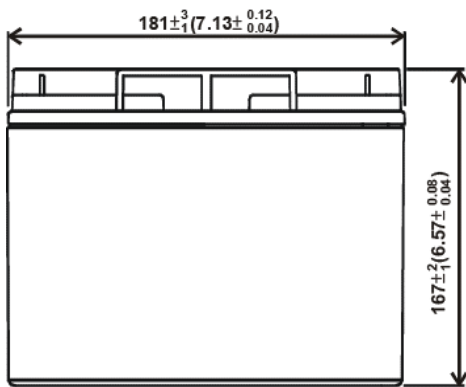


SPECIFICATION

Cell per unit	6	Ambient temperature	
Nominal Voltage (V)	12	Charge	0°C (32°F) to 40°C (104°F)
Nominal Capacity (Ah)	22Ah @ 20hour rate F.V(1.75/Cell)	Discharge	-15°C (5°F) to 50°C (122°F)
Weight	Approx 6.50 kg	Storage	-15°C (5°F) to 40°C (104°F)
Internal Resistance (1KHz)	9mΩ	Max charge Current	
Max Discharge Current (5s)	300A (5s)	Cycle use :	Max charge current : 6.6A
Battery Life :	Stand by : 3~5 years	Charge voltage:	14.4V to 15.0V
Terminal Type	NB(F3)/IT(F12)	Stand by :	Charge voltage: 13.5V to 13.8V
Container Material	ABS(Option : 94-HB & 94V-0 flame retardant case)		



DIMENSIONS	Length	Width	Height	Total Height
Unit: mm	181±3	76±1	167±1	169±1
Unit: inch	7.13±0.12	2.99±0.04	6.57±0.04	6.65±0.04



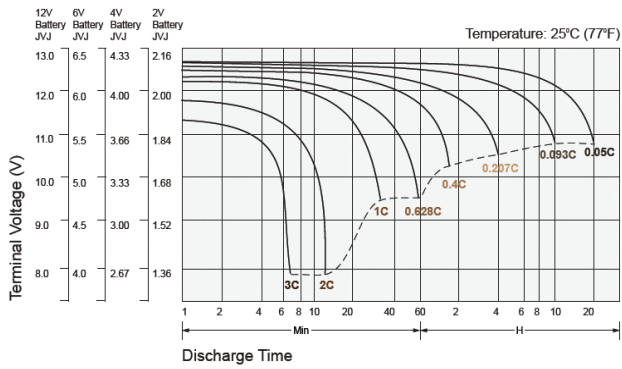
Constant current discharge characteristics Unit:A(25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	101.3	45.9	25.1	13.8	7.85	5.78	3.76	2.58	2.11	1.11
1.65V	98.4	45.3	24.7	13.5	7.77	5.72	3.74	2.57	2.10	1.11
1.70V	93.7	44.0	24.0	13.4	7.70	5.67	3.72	2.56	2.09	1.10
1.75V	88.4	44.3	23.0	13.1	7.64	5.63	3.70	2.54	2.08	1.10
1.80V	74.9	41.4	21.0	12.8	7.59	5.59	3.68	2.53	2.07	1.10

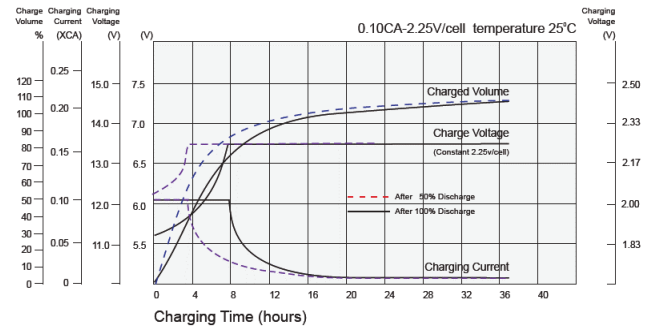
Constant power discharge characteristics Unit:W(25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60HR	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	1062.0	513.0	298.2	165.6	85.22	69.88	47.47	31.44	26.41	13.90
1.65V	1050.0	510.0	295.8	164.4	87.95	69.50	47.35	31.21	26.41	13.90
1.70V	1038.0	504.0	288.0	163.2	87.29	69.00	47.18	30.78	26.36	13.87
1.75V	984.0	498.0	288.0	159.0	85.22	68.38	46.92	30.40	26.22	13.80
1.80V	912.0	480.0	263.4	156.0	82.50	67.03	46.23	29.92	25.82	13.52

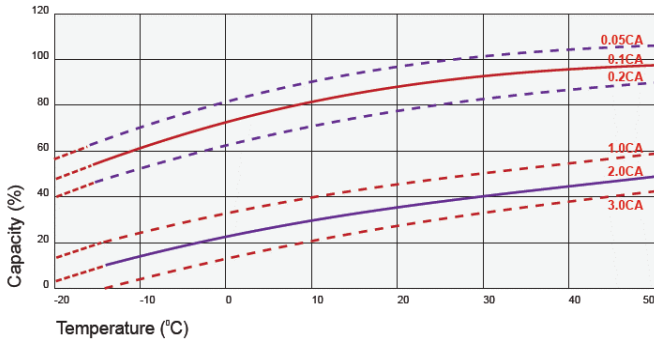
Battery Discharge Characteristics (25°C/77°F)



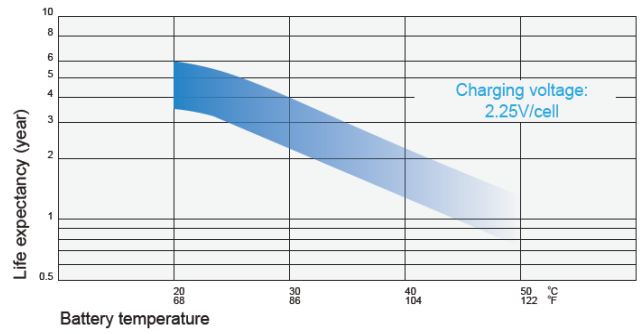
Battery Charge Characteristic for standby use



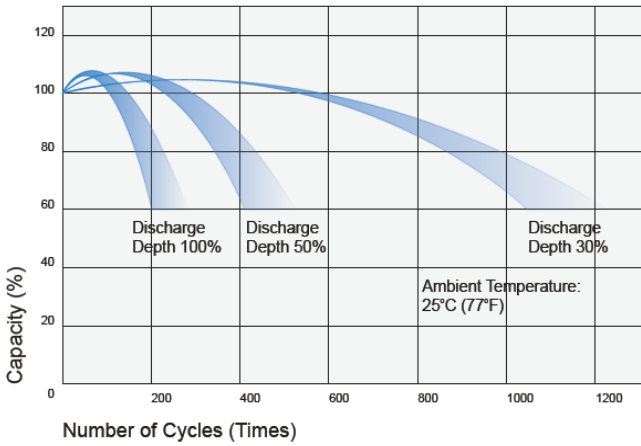
Temperature Effects in Relation to Battery Capacity



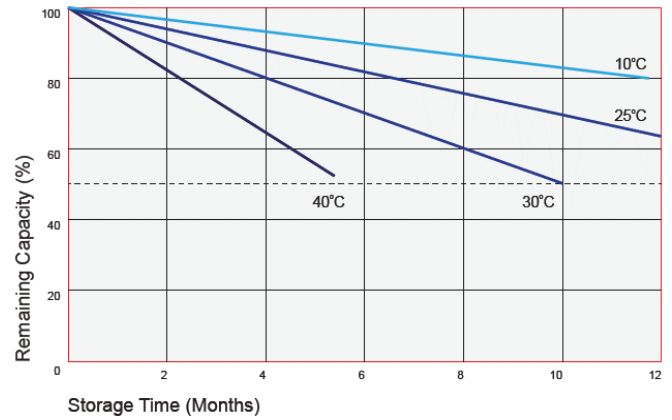
Temperature Effects on Long Term Float Life



Cycle Service Life



Self Discharge Characteristics



Charging Procedures

Application	Charge Voltage(V/cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.25C
Standby	25°C(77°F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75	1.70	1.65	1.60
Discharge Current (A)	0.2C > (A)	0.2C < (A)	0.5C < (A)	(A) > 1.0C



AJC Battery

(888) 808-3520

batteryclerk.com

sales@batteryclerk.com

AJC-D22S