

CJ12-22

(12V22Ah) (83.5w/cell) AUS CELL No. 1

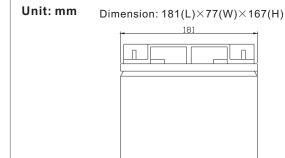
CJ12-22 is high rate series with 5 years floating design life, especially designed for high rate load discharge applications. By using strong grid and specific paste plate to insure high performance during big current discharge requirement when electricity is off., High Rate series offering extra-durable stable performance under high rate discharge.

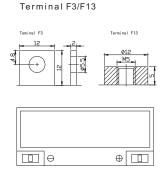
### **Specification**

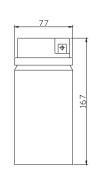
Cells Per Unit	6
Voltage Per Unit	12
Capacity	83.5W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 5.9Kg
Max. Discharge Current	220A (5 sec)
Internal Resistance	Approx. 12 m Ω
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.7 to 13.9 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	6.0 A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25°C
Self Discharge	Valve Regul ated Lead Acid(VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Terminal	Faston tabF3/F13
Container Material	A.B.S. (UL94-HB), Flammability resistance of UL94-Vican be available upon request.



### **Dimensions**







### Constant Current Discharge Characteristics : A(25 °C)

F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
9.60V	91.71	67.80	57.90	46.21	34.48	25.40	14.31	11.30
10.0V	88.90	66.17	56.28	45.13	33.41	24.85	14.16	11.16
10.2V	85.97	61.99	52.92	43.36	32.70	24.26	13.72	10.87
10.5V	83.02	57.36	48.35	41.15	31.36	23.45	13.22	10.75
10.8V	76.65	53.25	43.29	39.30	30.49	20.45	12.71	10.40
11.1V	70.27	49.14	38.23	37.45	29.62	18.66	12.21	10.06

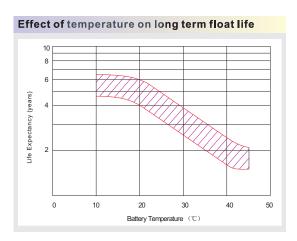
### Constant Power Discharge Characteristics: W(25°C)

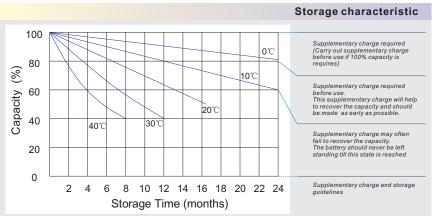
F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
9.60V	992.3	741.2	636.8	510.2	381.2	281.3	159.2	125.9
10.0V	971.5	725.1	619.6	501.2	372.6	276.8	157.8	124.6
10.2V	948.8	690.8	591.4	486.4	368.6	274.7	156.1	124.2
10.5V	925.3	647.9	550.3	471.3	359.5	269.6	153.4	123.7
10.8V	872.2	607.7	539.6	451.5	348.8	240.4	149.9	122.6
11.1V	819.2	567.6	529.0	431.7	338.1	223.2	146.3	121.5

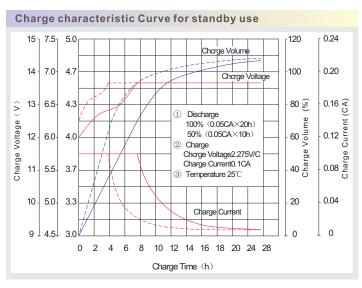
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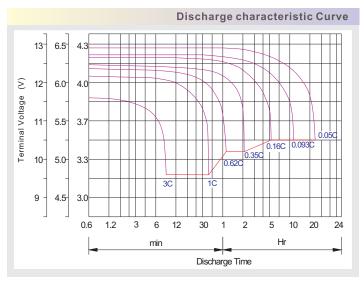
### 12V22Ah

# AUS CELL No. 1









### **Capacity Factors With Different Temperature**

Battery	Type	-20℃	-10℃	0℃	5℃	10℃	20℃	25℃	30℃	40℃	45℃
GEL	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
Battery	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
Battery	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

#### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤0.2C	0.2C< (A) <1.0C	(A) ≥1.0C

## Charge the batteries at least once every six months, if they are stored at 25°C.

### Charging Method:

Constant Voltage	-0.2Cx2h +2.4~2.5V/Cellx24h,Max. Current 0.3CA
Constant Current	-0.2Cx2h+0.1CAx12h
Fast	-0.2Cx2h+0.3CAx4.0h

### **Maintenance & Cautions**

FI	oat Service:
*	Every month, recommend inspection every battery voltage.
\*/	

Every three months, recommend equalization charge for one time.

Equalization charge method:

Discharge: 100% rate capacity discharge.

Charge: Max. current 0.3CA, constant voltage 2.4-2.45V/Cell charge 24h.

※ Effect of temperature on float charge voltage: -3mV/℃/Cell.

X Length of service life will be directly affected by the number of discharge cycles, depth of discharge, ambient temperature and charging voltage.