

**Application:**

- For standard 19 inch or 23 inch power cabinets
- Network connection equipment of communication system
- Power system of special network or local area network
- UPS, standby power supply
- Power station systems
- Marine systems

**Specifications**

Battery Model	12V65G
Nominal Voltage	12V
Rated Capacity	65Ah (10 hour rate) to 1.80V/cell
Typical Weight	28kg
Internal Resistance	Approx 7.5mΩ
Temperature Ranges	Operation (maximum): -40°C to 50°C (-40°F to 122°F)
	Operation (recommended): 15°C to 25°C (59°F to 77°F)
	Storage: -20°C to 40°C (-4°F to 104°F)
Float Voltage	2.25V/cell@25°C (77°F)
Recommended Maximum Charging Current Limit	16.25A
Equalize and Cycle Service	2.35V~2.40V/cell@25°C (77°F)
Self Discharge	The residual capacity is above 90% after 90 days
Terminal	M6 Female
Terminal Hardware Torque	10± 1.0Nm
Dimensions	395*105*270mm

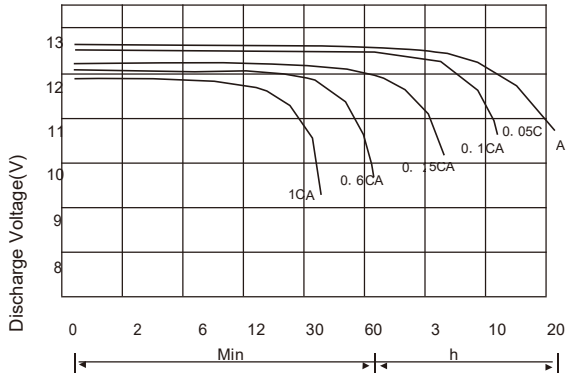
**Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)**

End voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	240.1	129.2	78.9	58.7	46.9	26.8	19.0	15.2	12.6	10.9	8.34	6.92	5.77	3.62	3.02
1.67V	228.6	124.6	77.7	57.6	46.6	26.2	18.8	14.9	12.5	10.8	8.26	6.89	5.75	3.59	3.01
1.70V	222.3	122.4	76.6	56.9	46.3	25.9	18.7	14.8	12.4	10.7	8.24	6.85	5.72	3.58	3.00
1.75V	205.7	117.5	75.2	55.3	44.9	25.6	18.5	14.7	12.3	10.6	8.18	6.78	5.70	3.57	2.99
1.80V	186.3	109.9	72.4	53.2	43.2	25.1	18.2	14.4	12.1	10.4	8.06	6.68	5.66	3.55	2.97
1.83V	174.9	103.9	71.3	51.5	41.5	24.8	17.9	14.0	11.8	10.1	7.88	6.56	5.48	3.53	2.94
1.85V	164.4	97.9	68.6	49.9	40.2	24.5	17.7	13.8	11.6	9.9	7.70	6.45	5.38	3.46	2.91

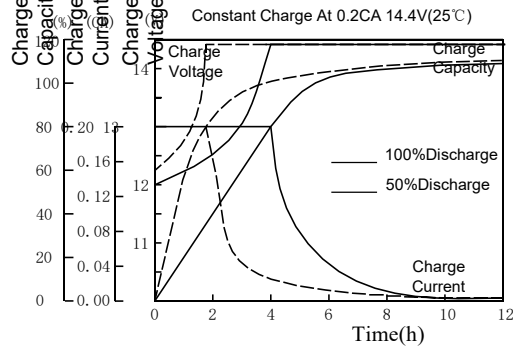
**Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)**

End voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	401.5	227.1	141.5	106.3	86.4	49.6	37.2	28.9	24.2	20.9	16.8	14.4	11.4	7.17	6.00
1.67V	391.7	223.5	140.7	105.6	85.6	49.5	36.4	28.7	24.1	20.7	16.6	14.3	11.3	7.14	6.00
1.70V	383.6	220.2	139.9	105.5	85.4	49.3	35.9	28.6	23.9	20.6	16.4	14.2	11.2	7.12	5.99
1.75V	363.2	215.7	138.2	105.0	84.1	49.0	35.6	28.5	23.8	20.5	16.2	13.9	11.1	7.11	5.99
1.80V	339.4	206.5	135.1	103.2	82.6	48.7	35.3	28.2	23.5	20.4	16.0	13.8	11.0	7.10	5.98
1.83V	322.5	198.6	132.6	101.2	80.6	48.1	35.1	27.8	22.9	20.2	15.7	13.7	10.7	7.09	5.93
1.85V	305.9	192.1	129.4	98.6	78.6	47.2	34.9	27.4	22.4	20.0	15.4	13.6	10.6	6.95	5.89

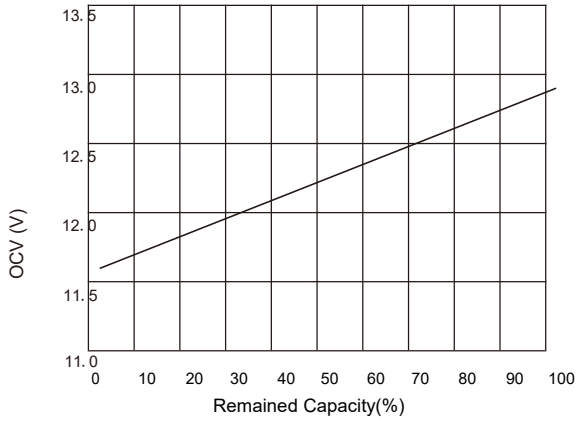
Terminal Voltage(V) Vs. Discharge Time (25°C, 77°F)



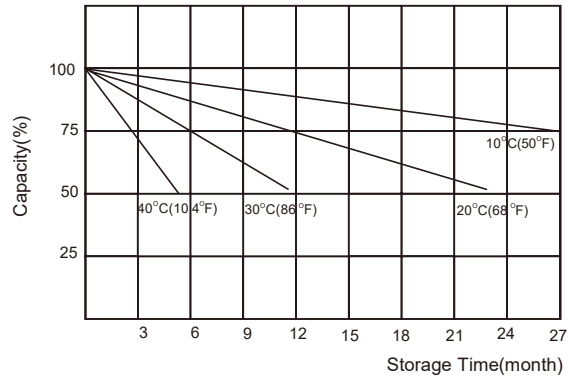
Battery Voltage Vs. Charge Time Charge Characteristic



Relationship of OCV Vs. State of Charge



Capacity Retention Characteristic



Charging Procedures

Application	Charge Voltage (V/Cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle	25°C	2.40	2.35~2.40	0.25C
Standby	25°C	2.25	2.23~2.27	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.80	1.70	1.55	1.30
Discharge Current (A)	0.2C ≥ (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1.0C	(A) > 1.0C

