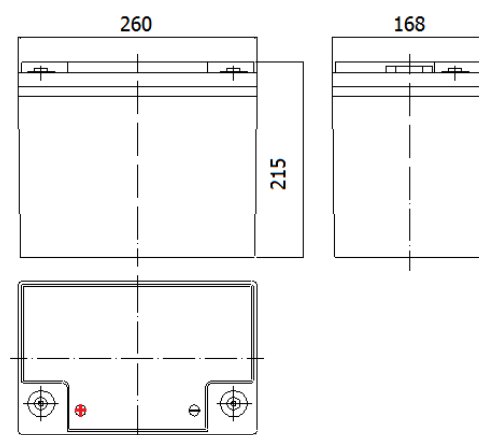


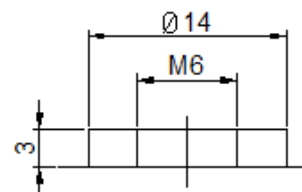
**CPG 75-12**

Dimensions



Cyclic Gel battery

Terminal



Nominal voltage	12 V DC	
Nominal Capacity (10HR, 20°C):	69 Ah	
Nominal Capacity (20HR, 20°C):	75.2 Ah	
Internal resistance	Approx. 5.5 m Ω	
Maximum charging current	14 A	
Maximum discharge current	520 A (5 sec.)	
Operating temperature range	-10°C ~ 50°C	
Float use/ cycle use	13.5 – 13.8V / 13.8 – 14.1V	
Standard terminal	Threaded Insert 6mm	
Housing material	Copper	
Dimensions	length	260 mm (±2 mm)
	width	168 mm (±2 mm)
	height	215 mm (±2 mm)
Approx. Weight	23 kg	
Packing	1 pcs/box	

**Typical applications:**

- Wheelchairs
- Lawnmower
- Vacuum cleaner
- Medical Equipment
- Industry

- Valve Regulated Maintenance Free
- GEL Technology
- Low self discharge
- Classified as non- spillable and Non Dangerous goods by IATA, FAA, ADR, IMDG
- Can be discharged or stored in any position without leakage
- Cannot be charged while the terminal is downward.

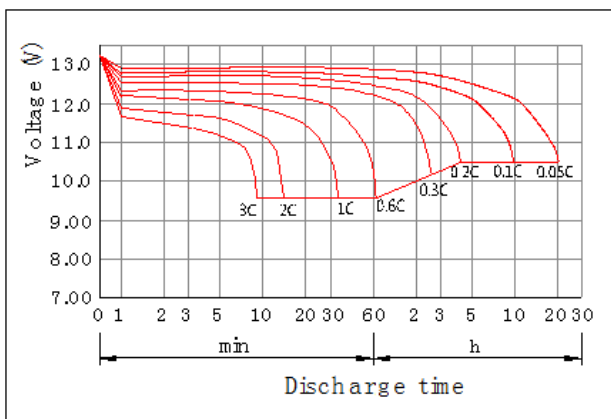
**Constant Current Discharge Characteristics (A, 25°C)**

F.V./TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	114	101	69.9	43.6	25.5	18	14.1	11.9	7.9	7	3.8
9.90V	110	98.8	68.5	43	25.4	17.9	14	11.8	7.8	7	3.8
10.2V	106	95.1	66.4	41.9	25.2	17.8	13.9	11.7	7.8	7	3.8
10.5V	101	91.9	64.8	41	24.8	17.7	13.9	11.7	7.7	7	3.8
10.8V	95.8	87.1	62.5	39.9	24.1	17.1	13.5	11.3	7.5	6.9	3.8

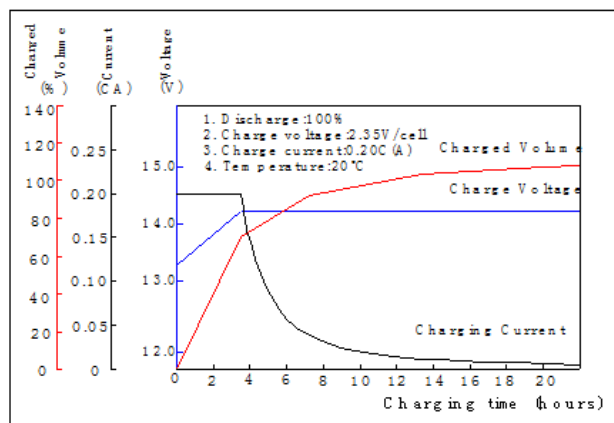
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V./TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1251	1130	797	503	297	212	167	140	94.1	84.3	46.2
9.90V	1214	1103	781	495	295	211	166	140	93.5	84.1	46.2
10.2V	1164	1062	758	483	293	210	165	139	92.9	83.9	46
10.5V	1114	1026	738	474	288	208	164	138	92.3	83.4	45.2
10.8V	1051	972	711	459	281	203	159	134	89.5	82.8	45.4

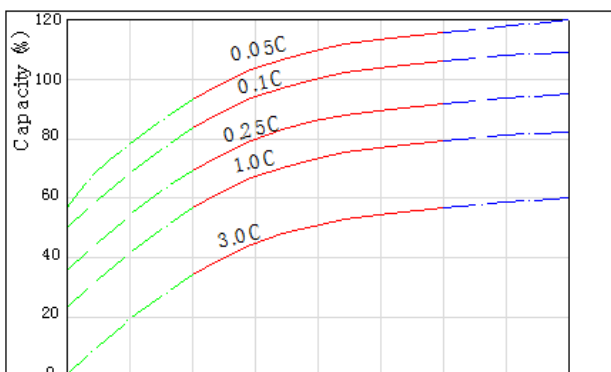
**Discharge Characteristics(25°C)**



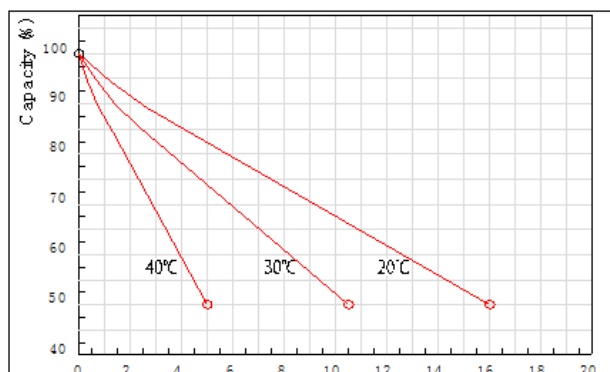
**Charging Characteristics(25°C)**



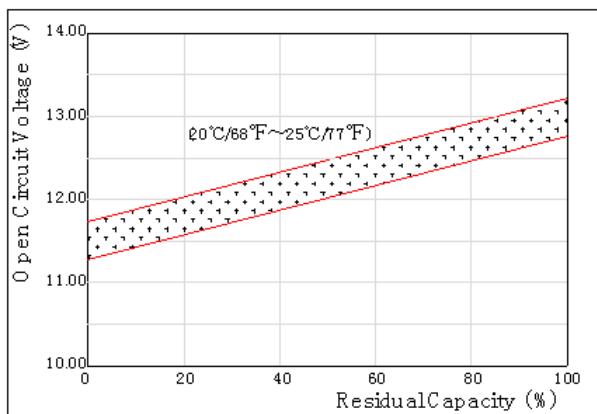
**Effect of Temperature on Capacity**



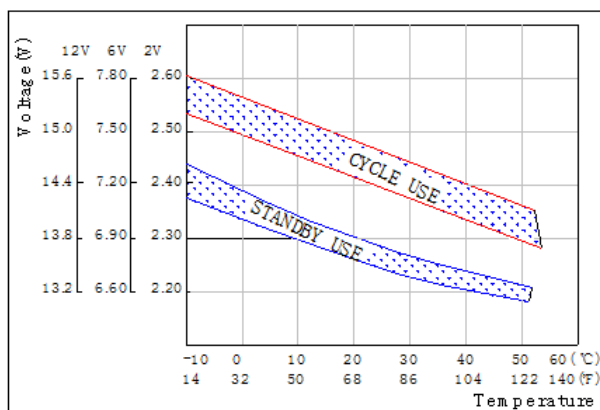
**Self-discharge Characteristics**



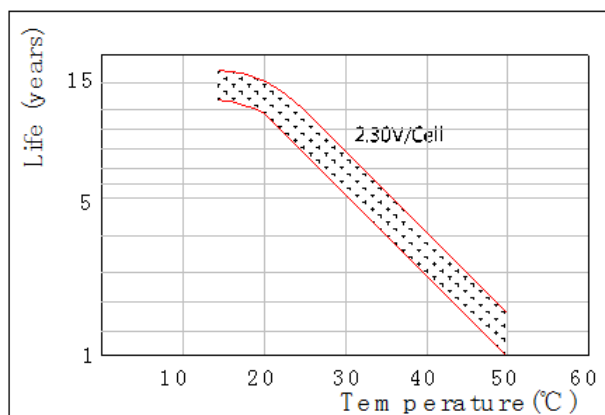
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D.(25°C)**

