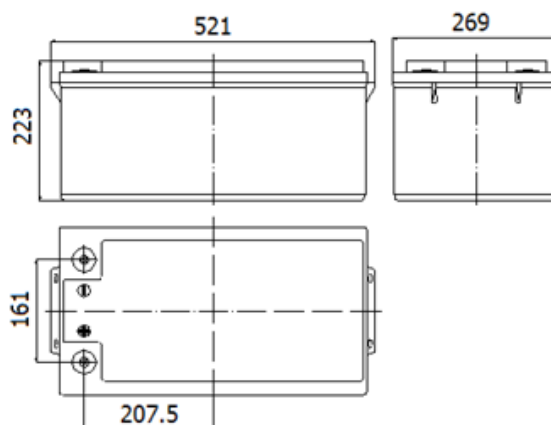


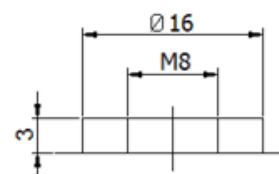
CPG 200-12

Dimensions



Cyclic Gel battery

Terminal



Nominal voltage	12 V DC	
Nominal Capacity (10HR, 20°C):	190 Ah	
Nominal Capacity (20HR, 20°C):	200 Ah	
Internal resistance	Approx. 2.5 m Ω	
Maximum charging current	40 A	
Maximum discharge current	1500 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 8mm	
Housing material	Copper	
Dimensions	length	521 mm (±2 mm)
	width	269 mm (±2 mm)
	height	223 mm (±2 mm)
Approx. Weight	63 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.

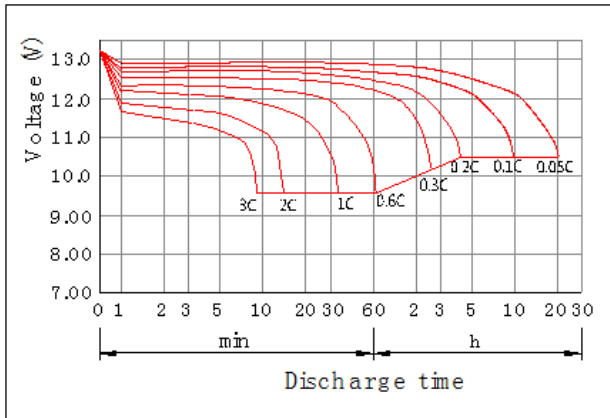
Constant Current Discharge Characteristics (A, 25°C)

F.V./TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	267	179	113	65.7	46.7	37	32	27.6	22	19.4	10.1
9.90V	260	175	111	65.3	46.4	36.7	31.6	27.4	21.8	19.3	10.1
10.2V	250	170	109	64.8	46	36.5	31.3	27.2	21.7	19.3	10
10.5V	242	166	107	63.8	45.7	36.2	31	27	21.5	19.1	10
10.8V	230	160	104	62.2	44.4	35.1	30.5	26.2	20.9	19	10

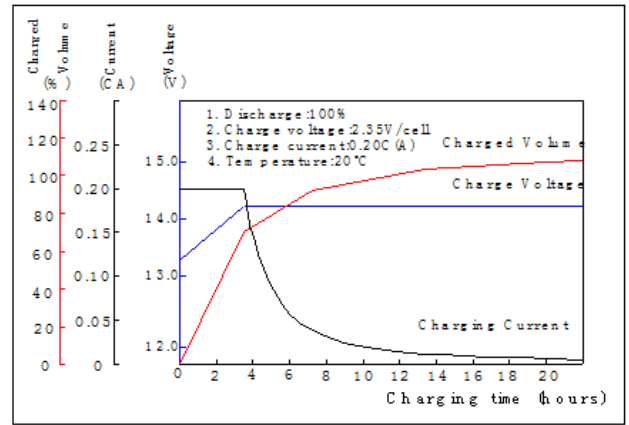
Constant Power Discharge Characteristics (Watt, 25°C)

F.V./TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2976	2041	1306	765	551	436	381	328	262	232	122
9.90V	2905	2000	1286	761	548	433	379	326	261	232	121
10.2V	2797	1939	1253	754	544	430	376	324	259	231	121
10.5V	2702	1892	1229	743	540	428	373	321	257	230	120
10.8V	2559	1823	1190	724	524	415	362	311	250	229	119

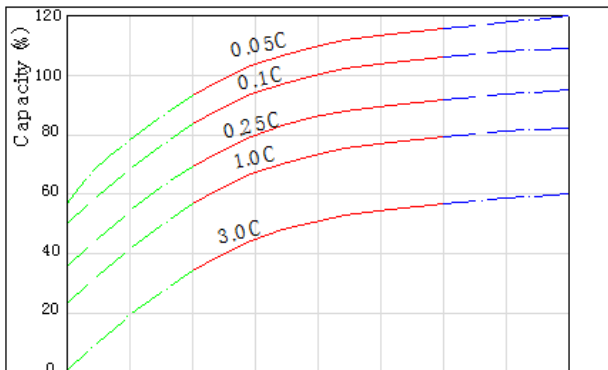
Discharge Characteristics(25°C)



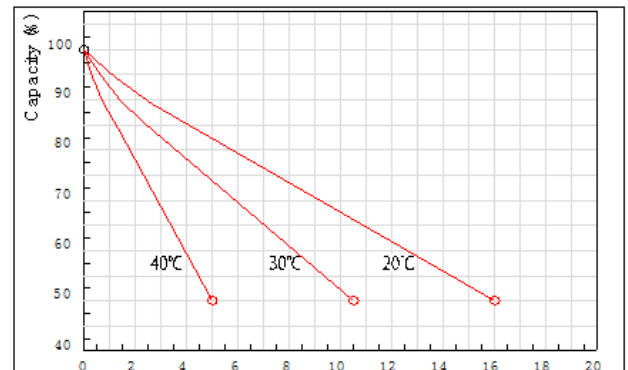
Charging Characteristics(25°C)



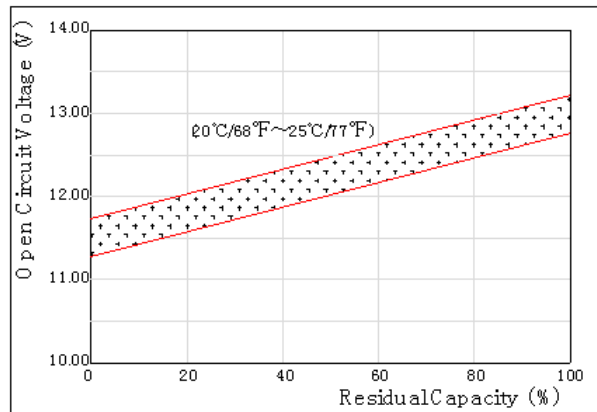
Effect of Temperature on Capacity



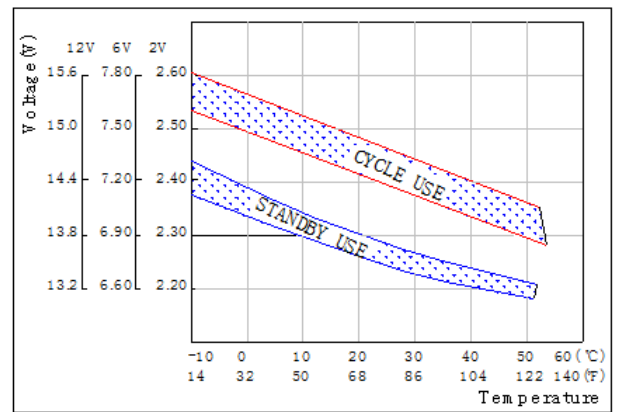
Self-discharge Characteristics



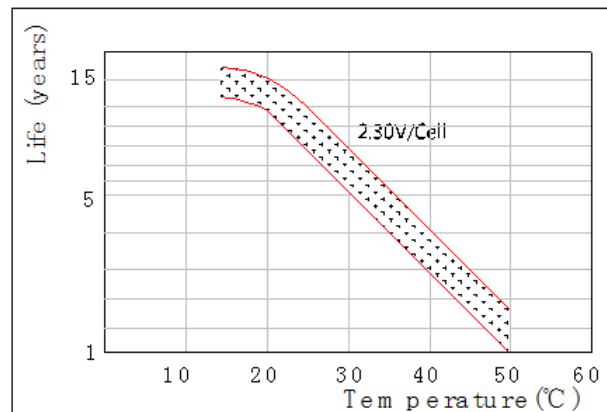
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

