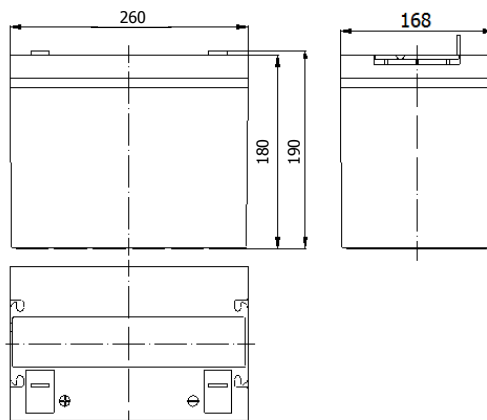


CPG 60-12

Dimensions



Cyclic Gel battery

Nominal voltage	12 V DC	
Nominal Capacity (10HR,20 C):	55.2 Ah	
Nominal Capacity (20HR,20 C):	60 Ah	
Internal resistance	Approx. 8 m Ω	
Maximum charging current	12 A	
Maximum discharge current	600 A (5 sec.)	
Operating temperature range	-10 C ~ 50 C	
Float use/ cycle use	13.5 – 13.8V / 14.1 – 14.4V	
Standard terminal	Threaded Insert 6mm	
Housing material	Copper	
Dimensions	length	260 mm (+2 mm)
	width	168 mm (+2 mm)
	height	190 mm (+2mm)
Approx. Weight	20.5 kg	
Packing	1 pcs/box	

Typical applications:

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

- Valve Regulated Maintenance Free
- GEL Technology
- 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.

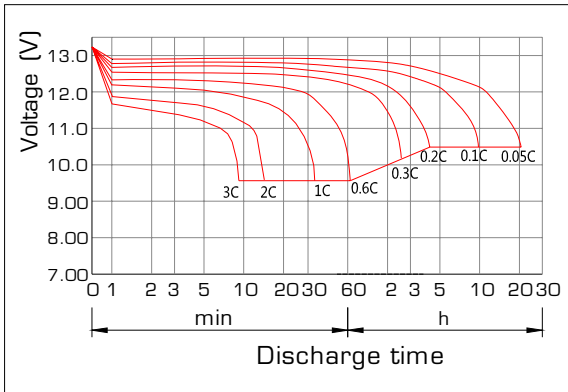
Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	90.9	81	55.9	34.9	20.4	14.4	11.3	9.5	6.3	5.6	3.1
9.90V	88.3	79	54.8	34.4	20.3	14.3	11.2	9.4	6.3	5.6	3.1
10.2V	84.9	76.1	53.1	33.5	20.1	14.2	11.1	9.3	6.2	5.6	3.1
10.5V	81.2	73.5	51.9	32.8	19.8	14.1	11.1	9.3	6.2	5.6	3
10.8V	76.6	69.7	50	31.9	19.3	13.7	10.8	9	6	5.5	3

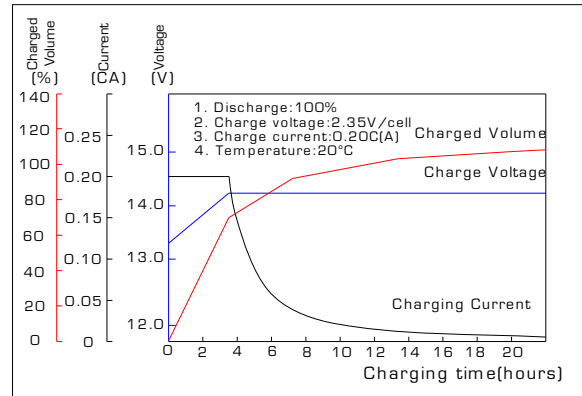
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1001	904	638	402	237	170	134	112	75.3	67.5	36.9
9.90V	971	882	625	396	236	169	133	112	74.8	67.3	36.9
10.2V	931	849	606	387	234	168	132	111	74.3	67.1	36.8
10.5V	891	821	591	379	231	166	131	111	73.8	66.7	36.2
10.8V	841	777	569	367	225	162	127	107	71.6	66.3	36.3

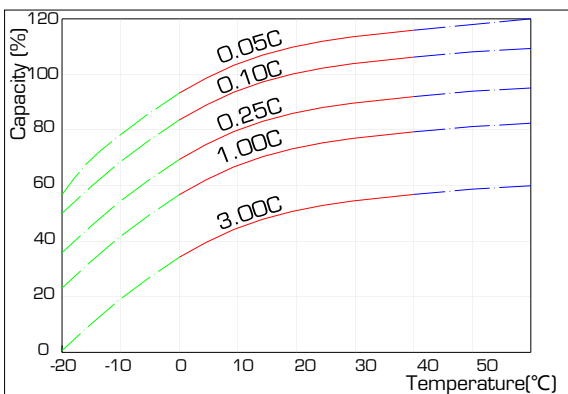
Discharge Characteristics(25°C)



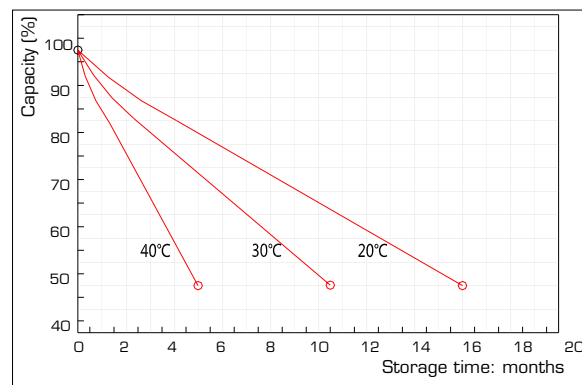
Charging Characteristics(25°C)



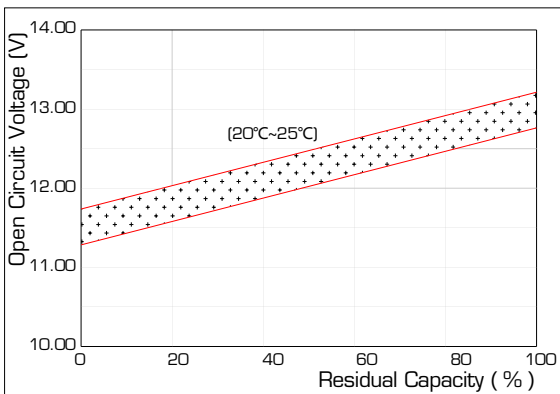
Effect of Temperature on Capacity



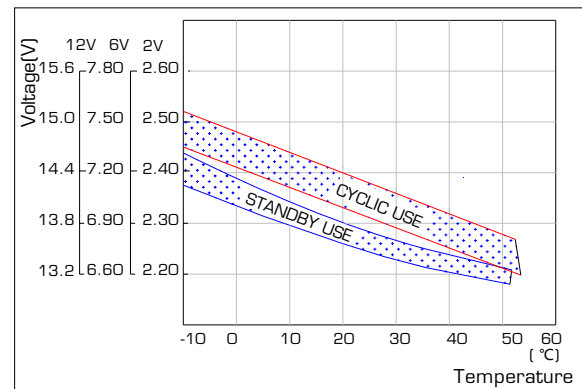
Self-discharge Characteristics



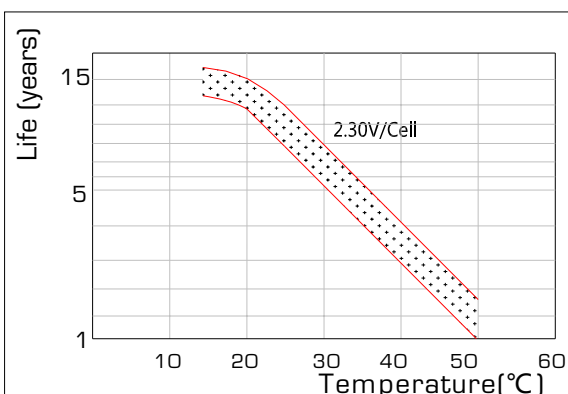
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25 °C)

