



QUANZHOU SINGLANG ELECTRIC TECHNOLOGY CO., LTD.

GEL SERIES

XNG12250(12V250AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	250AH	
Dimension	Length	520±2mm(20.47inch)
	Width	269±2mm(10.6inch)
	Height	220±2mm(8.66inch)
	Total Height	224±2mm(8.82inch)
Approx Weight	Approx. 69kg	
Terminal Type	B5	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.2.5mΩ	
Rated Capacity	260AH/13A	(20hr, 1.80V/cell,25°C/77°F)
	250AH/25A	(10hr, 1.80V/cell,25°C/77°F)
	219AH/43.8A	(5hr, 1.75V/cell,25°C/77°F)
	197.4AH/65.8A	(3hr, 1.75V/cell,25°C/77°F)
	148.6AH/148.6A	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	2500A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Charge Current Less Than 0.25CA	
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%



Constant Power Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	1510.0	1027.0	703.0	427.6	262.0	163.53	127.13	99.99	84.76	56.63	48.75	25.52
1.75V/cell	1522.0	1036.0	709.0	431.3	264.2	164.91	128.21	100.84	85.47	57.11	49.48	25.91
1.70V/cell	1561.0	1062.0	727.0	442.0	270.9	169.03	131.42	103.36	87.61	58.53	50.21	26.29
1.67V/cell	1599.0	1088.0	745.0	452.8	277.5	173.16	134.62	105.88	89.75	59.96	50.94	26.67
1.60V/cell	1670.0	1136.0	778.0	473.0	289.8	180.87	140.62	110.59	93.74	62.63	51.68	27.05

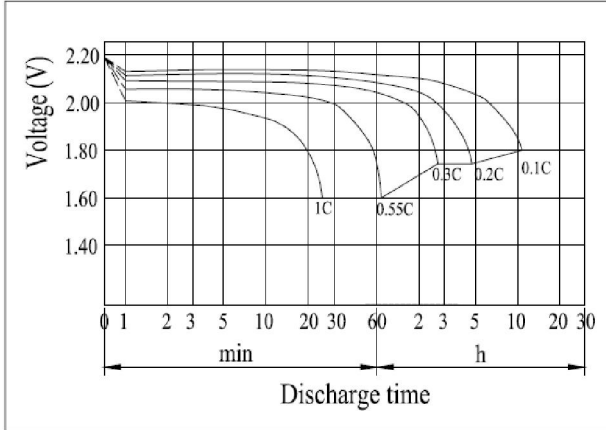
Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	774.2	526.7	360.6	219.30	134.37	83.86	65.20	51.28	43.46	29.04	25.00	13.09
1.75V/cell	780.8	531.1	363.7	221.16	135.51	84.57	65.75	51.71	43.83	29.28	25.38	13.29
1.70V/cell	800.3	544.4	372.8	226.69	138.90	86.68	67.39	53.00	44.93	30.02	25.75	13.48
1.67V/cell	819.8	557.7	381.9	232.22	142.29	88.80	69.04	54.30	46.02	30.75	26.13	13.68
1.60V/cell	856.3	582.5	398.9	242.56	148.62	92.75	72.11	56.72	48.07	32.12	26.50	13.87

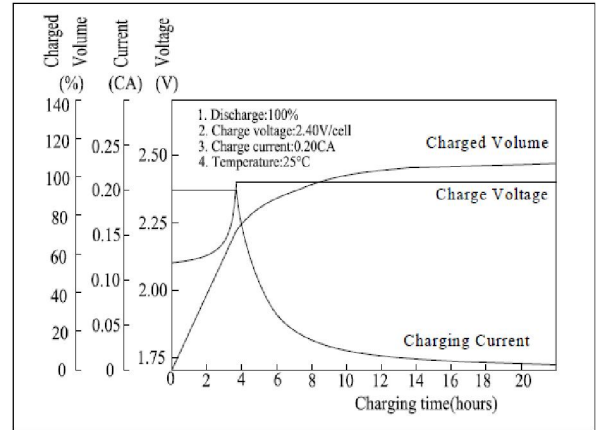
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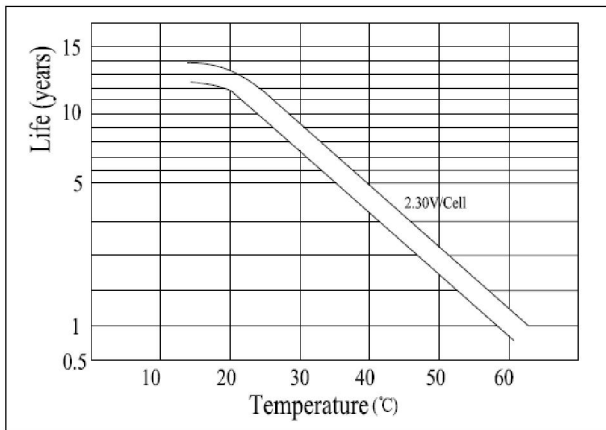
Discharge Characteristics



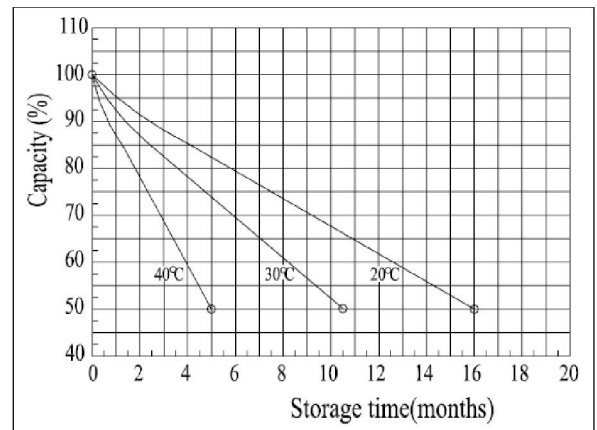
Float Charging Characteristics



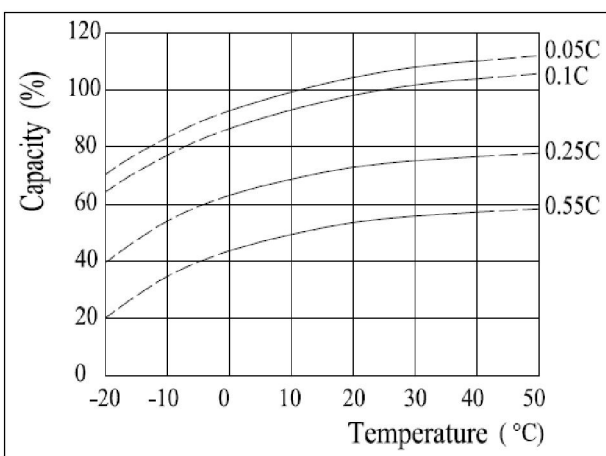
Floating Life on Temperature



Self Discharge Characteristics (25°C(77°F))



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

