

GELOGiV12450L (12V 45Ah GEL Battery)

Floating Life at 20°C designed for 12+ years

EAN: 4260349822220

Dimensions

T6 Terminal

Unit: mm [inches]

Ø 16 [0.63]

M6 [0.236]

6 [0.236]

200±2

190±2

132±2

257±2

200±2

190±2

132±2

257±2

200±2

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190±2

132±2

257±2

200±2

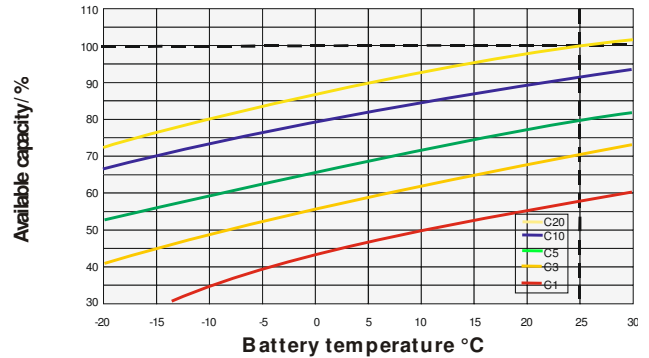
190±2

132±2

257±2

200±2

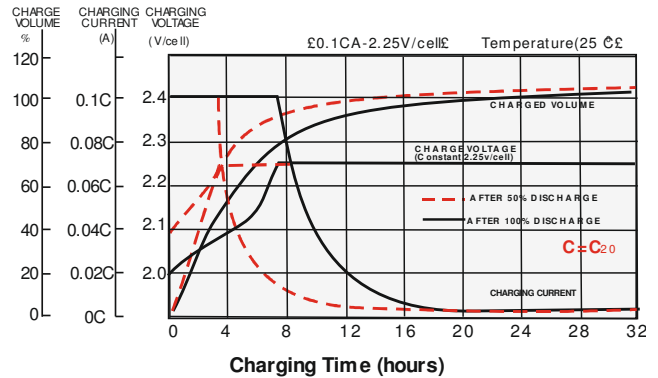
Temperature Effects in Relation to Battery Capacity



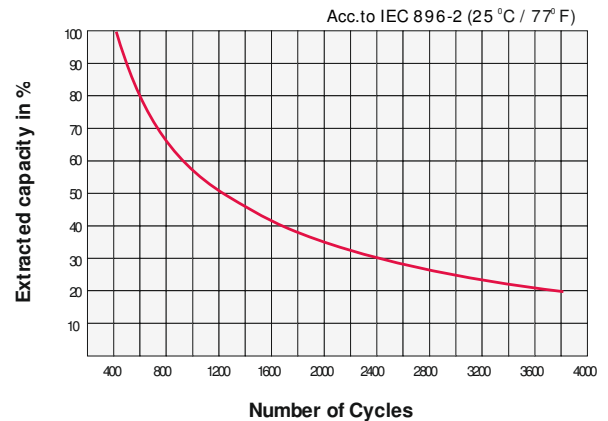
Specifications

Nominal Voltage	12V	
Capacity (25°C@1.8V/C)	C20: 45Ah C5: 35Ah	
Dimensions	Length	257mm (10.12inch)
	Width	132mm (5.20inch)
	Height	200mm (7.87inch)
	Total Height	200mm (7.87inch)
Approx. Weight	16.2kg (35.7lbs)	
Maximum charging current	11.25A	
Maximum discharge current	450A (5sec.)	
Internal resistance	Approx. 9.6mΩ	
Capacity affected by temperature (20hr)	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature	25°C ±3°C (77°F±5°F)	
Operating temperature range	-20°C ~ 55°C (-4°F ~ 131°F)	
Float charging voltage (25°C)	13.65 to 13.80V	
Cyclic charging voltage (25°C)	14.40 to 15.00V	
Terminal material	Copper	

Float Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Constant Current Discharge Characteristics (Ampere / Cell, 25°C)

F.V/TIME	20min	30min	45min	1h	3h	5h	8h	10h	20h
1.60V/cell	59,5	43,7	32,1	26,3	11,7	7,81	5,23	4,22	2,38
1.70V/cell	52,8	39,3	28,9	23,9	10,9	7,43	5,06	4,09	2,32
1.80V/cell	43,6	33,4	25,1	21,1	9,89	6,93	4,76	3,92	2,25

Constant Power Discharge Characteristics (Watt / Cell, 25°C)

F.V/TIME	20min	30min	45min	1h	3h	5h	8h	10h	20h
1.60V/cell	107,60	80,40	60,00	49,80	22,50	15,20	10,30	8,37	4,72
1.70V/cell	97,50	73,70	54,70	45,70	21,10	14,50	10,00	8,13	4,62
1.80V/cell	82,40	63,70	48,40	40,80	19,30	13,60	9,45	7,80	4,48

Valid from 12-2014