GEL Battery
PG12-200

Specification

Nomial Voltage	12V	
Nomial Capacity(10HR)	200.0AH	
Dimension	Length	522±3mm (20.55 inches)
	Width	240±2mm (9.45 inches)
	Container Height	218±2mm (8.58 inches)
	Total Height (with Terminal)	224±2mm (8.81 inches)
Approx Weight	Approx 52.0 kg	
Terminal	T4	
Container Material	ABS	
Rated Capacity	203.4 AH/10.17A	(20hr,1.80V/cell,25°C/77°F)
	195.7 AH/19.57A	(10hr,1.75V/cell,25°C/77°F)
	152.0 AH/30.4A	(5hr,1.75V/cell,25°C/77°F)
	142.5 AH/47.5A	(3hr,1.75V/cell,25°C/77°F)
	112.1 AH/112.1A	(1hr,1.65V/cell,25°C/77°F)
Max. Discharge Current	1800A (5s)	
Internal Resistance	Approx 3.3mΩ	
Operating Temp.Range	Discharge : -20～55℃ (-4 ～131℉) Charge : 0～40℃ (32 ～104℉) Storage : -20～50℃ (-4 ～122℉)	
Nominal Operating Temp. Range	25±3℃ (77 ±5℉)	
Cycle Use	Initial Charging Current less than 50.0A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/℃	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/℃	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Pattern PG series battery may be stored for up to 9 months at 25℃(77℉) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Applications

- Telecommunications
- Solar system
- Wind power system
- Engine starting
- Wheelchair
- Floor cleaning machines
- Golf trolley
- Boats

Intertek

ISO14001 ISO9001 CE

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

20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	V/cell
180.50	144.40	110.20	89.30	57.00	43.70	36.10	28.50	24.70	20.90	18.05	9.76	1.85
214.70	169.10	119.70	100.70	60.80	45.60	38.00	29.45	26.60	23.56	19.00	10.17	1.80
231.80	176.70	127.30	104.50	62.70	47.50	39.90	30.40	27.55	24.70	19.57	10.57	1.75
243.20	184.30	134.90	108.30	64.60	49.40	41.42	32.30	28.50	27.55	20.33	10.98	1.70
256.50	190.00	140.60	112.10	68.40	51.30	42.75	34.20	29.45	28.50	21.09	11.38	1.65
266.00	199.50	146.30	115.90	72.20	53.20	44.65	36.10	31.35	30.40	21.85	11.79	1.60

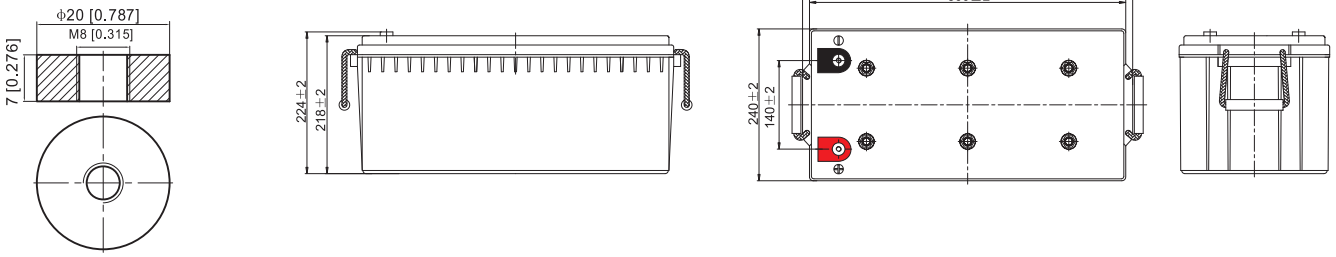
Constant Power Discharge (Watts) at 25 C (77F)

20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	V/cell
333.93	267.14	203.87	165.21	105.45	80.85	66.79	52.73	45.70	38.67	33.39	18.05	1.85
386.46	304.38	215.46	181.26	109.44	82.08	68.40	53.01	47.88	42.41	34.20	18.30	1.80
405.65	309.23	222.78	182.88	109.73	83.13	69.83	53.20	48.21	43.23	34.25	18.50	1.75
413.44	313.31	229.33	184.11	109.82	83.98	70.41	54.91	48.45	46.84	34.56	18.66	1.70
423.23	313.50	231.99	184.97	112.86	84.65	70.54	56.43	48.59	47.03	34.80	18.78	1.65
425.60	319.20	234.08	185.44	115.52	85.12	71.44	57.76	50.16	48.64	34.96	18.87	1.60

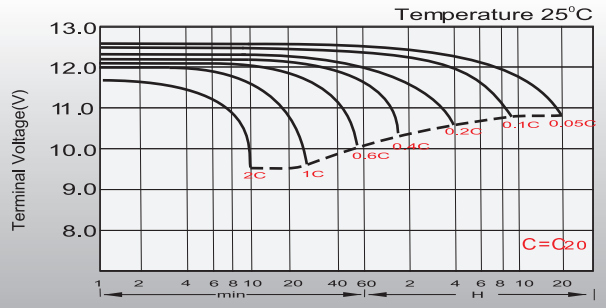
Dimensions

T4 Terminal

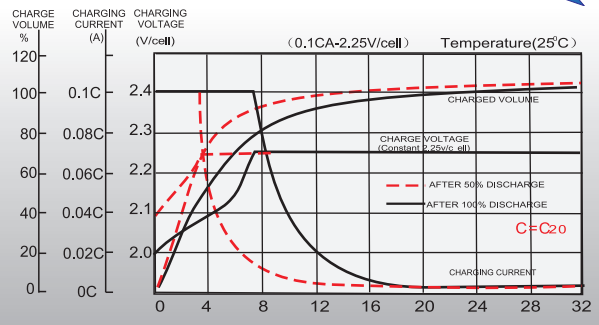
Unit: mm [inches]



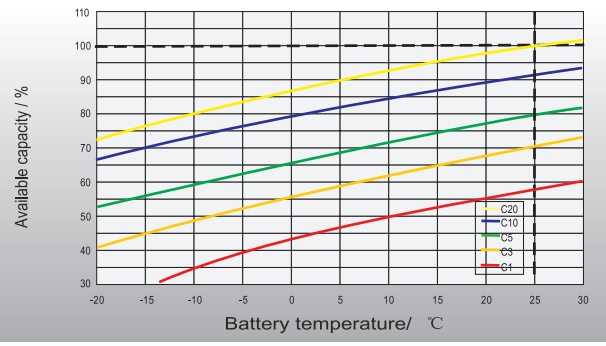
Discharge Characteristics



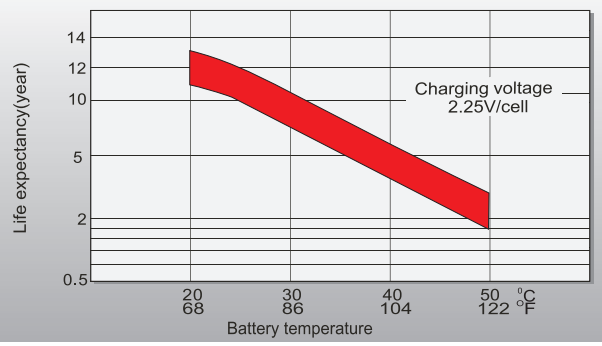
Float Charging Characteristics



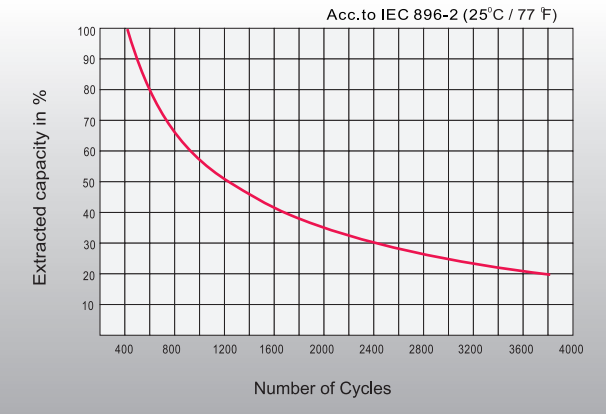
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time

