

LPG SERIES-GEL Battery

LPG2-200 (2V200AH)

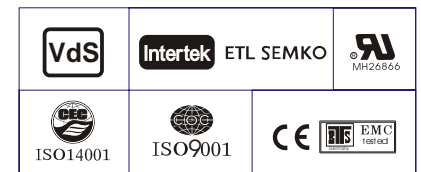
Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	200.0AH	
Dimension	Length	170±2mm (6.69 inches)
	Width	110±2mm (4.33 inches)
	Container Height	328±3mm (12.91 inches)
	Total Height (with Terminal)	337±3mm (13.27 inches)
Approx Weight	Approx 13.7 kg (30.21lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	214.0 AH/10.7A	(20hr, 1.80V/cell, 25°C/77°F)
	200.0 AH/20.0A	(10hr, 1.75V/cell, 25°C/77°F)
	172.0 AH/34.4A	(5hr, 1.75V/cell, 25°C/77°F)
	149.7 AH/49.9A	(3hr, 1.75V/cell, 25°C/77°F)
	117.3 AH/117.3A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	1400A (5s)	
Internal Resistance	Approx 1.2mΩ	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 50.0A. Voltage	
	2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	2.25V~2.3V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Leoch LPG series batteries may be stored for up to 9 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Applications

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



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

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	174.0	136.8	104.3	90.6	57.8	44.1	36.5	31.5	27.2	24.1	21.7	19.8	18.8	10.2
1.80V/cell	199.8	152.8	115.2	100.0	62.6	47.2	38.7	33.1	28.6	25.2	22.8	20.9	19.6	10.7
1.75V/cell	224.4	168.0	124.3	106.8	66.3	49.9	40.6	34.4	29.6	26.1	23.5	21.5	20.0	10.9
1.70V/cell	241.8	180.0	132.0	113.2	70.3	51.9	41.9	35.4	30.6	27.0	24.2	22.1	20.5	11.1
1.67V/cell	251.4	187.2	136.8	117.3	72.1	53.6	42.9	36.2	31.1	27.4	24.6	22.4	20.7	11.2
1.60V/cell	272.4	200.0	146.9	124.6	75.0	55.7	44.5	37.3	31.9	27.9	25.0	22.8	21.1	11.4

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

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	330.4	261.6	200.6	175.0	112.1	85.7	71.2	61.7	53.5	47.5	42.9	39.2	37.2	20.3
1.80V/cell	374.4	289.4	219.6	192.2	120.8	91.4	75.2	64.7	56.0	49.5	44.8	41.2	38.7	21.1
1.75V/cell	415.8	314.7	234.7	204.2	127.6	96.4	78.6	66.8	57.7	51.2	46.2	42.4	39.5	21.5
1.70V/cell	443.2	334.8	248.4	215.6	134.6	100.1	80.9	68.7	59.6	52.8	47.5	43.4	40.4	21.8
1.67V/cell	455.5	343.5	255.1	221.7	137.4	102.9	82.7	69.9	60.4	53.4	48.0	43.9	40.8	21.9
1.60V/cell	488.1	364.6	272.6	234.2	142.2	106.5	85.5	71.9	61.7	54.3	48.8	44.8	41.5	22.2

Specifications subject to change without notice.



