PG-2V200

2V Telecom and Utility Cells
PG 2V Series - 2V Long Life

Engineered with advanced AGM, the PG 2V series delivers strong durability and long service life, ensuring consistent performance in demanding standby power environments. With a thick plate design, these batteries provide reliable standby power for critical applications such as telecom, networking, and military systems.

Configuration Options

- PG-2V200 M8

Performance Specs

Nominal Voltage 2.0 Volts, (1.0 cells)

Nominal Capacity

20-hr. 200.0Ah (10.6A to 1.8 Volts)	212.0Ah
10-hr. 200.0Ah (20.0A to 1.8 Volts)	200.0Ah
5-hr. 179.0Ah (35.8A to 1.7 Volts)	179.0Ah
1-hr. 122.7Ah (122.7A to 1.6 Volts)	122.7Ah

Approximate Weight 29.54lbs, (13.4kg)

VDS Weight lbs, (kg)

Dimensions
+/- 0.08 in. (+/- 2mm) for length, width, and height dimensions

L: 6.69in, 170.0mm
W: 4.33in, 110.0mm
H: 12.91in, 328.0mm
TH: 13.7in, 348.0mm

Internal Resistance (approx.) mΩ 0.9mΩ

Max Short Circuit Discharge Current 3600.0A

Operating Temperature Range

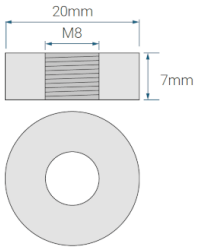
Charge	–4°F (–20°C) to 104°F (40°C)
Discharge	5°F (–15°C) to 122°F (50°C)

Case ABS (UL94 HB or V-0 optional)

Recommended Power-Sonic Charger

Available Terminals (mm)

T11 THREADED INSERT – 8mm STUD



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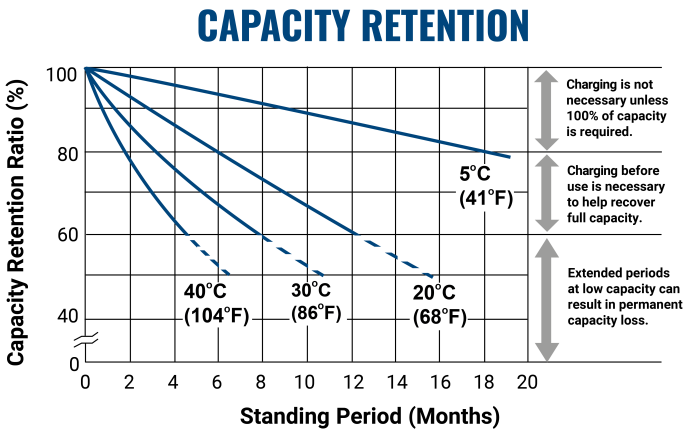
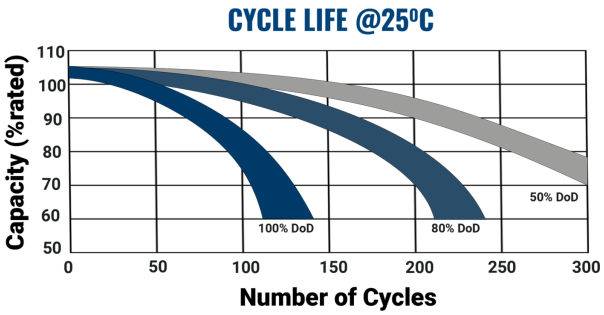
Graphs

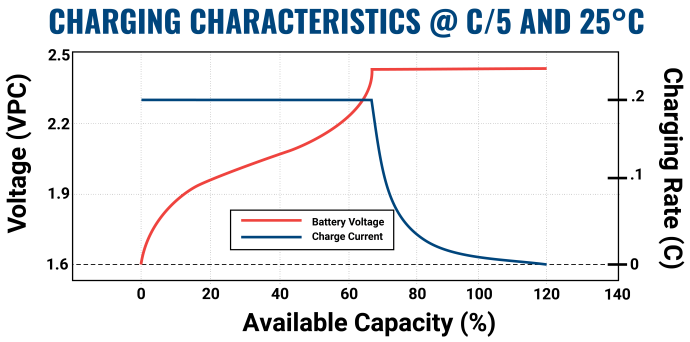
Capacity Retention SLA



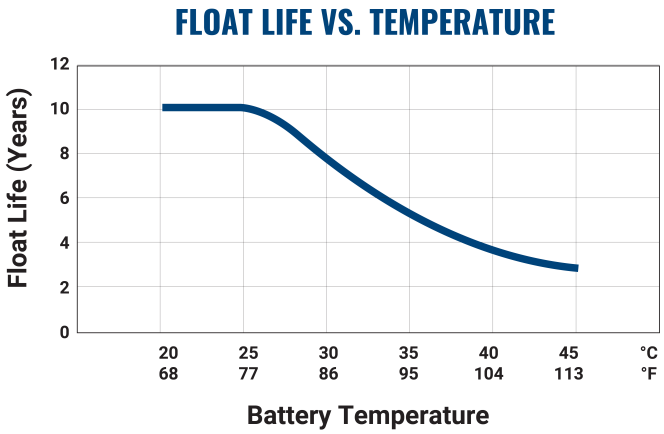
PS Cycle Life



SLA Charging



SLA Float Life 10YR



Constant Current

VoltageOverTime	15min	20min	30min	45min	1h	1.5h	2h	3h
1.60V/cell	248.6	210.0	168.7	142.9	122.7	94.4	75.4	56.3
1.65V/cell	238.35689999999997	202.9	166.75919999999996	136.9	117.81899999999999	91.0328	72.9068	54.68009999999999
1.67V/cell	236.7	201.5	165.6	135.9	117.0	90.4	72.4	54.3
1.70V/cell	228.7	194.8	161.2	132.9	114.6	88.8	71.2	53.5
1.75V/cell	205.5	174.0	151.4	128.1	110.5	85.9	69.0	52.0
1.80V/cell	186.2	165.0	144.7	123.1	106.6	83.1	66.9	50.6
1.85V/cell	150.1	135.7	126.0	110.1	96.3	76.0	61.5	46.8

Constant Power

VoltageOverTime	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	432.3	368.6	296.1	266.7	230.3	178.7	143.5	108.1	86.2	72.4	62.4	50.3	41.7	22.1
1.65V/cell	419.0	359.5	293.3	256.3	221.7	172.5	138.8	104.8	83.9	70.6	61.0	49.3	40.9	21.7
1.67V/cell	419.0	359.5	293.3	256.3	221.7	172.5	138.8	104.8	83.9	70.6	61.0	49.3	40.9	21.7
1.70V/cell	407.5	349.7	288.2	251.9	218.2	170.1	137.0	103.6	82.9	69.8	60.4	48.8	40.6	21.6
1.75V/cell	370.4	315.6	273.2	244.6	211.9	165.5	133.4	101.1	81.2	68.5	59.2	48.1	40.1	21.3
1.80V/cell	339.4	302.3	263.4	236.9	205.8	161.1	130.2	98.9	79.5	67.2	58.2	47.3	39.5	21.1
1.85V/cell	276.3	251.0	231.3	213.4	187.2	148.1	120.3	91.8	74.0	62.5	54.4	44.3	37.1	20.0

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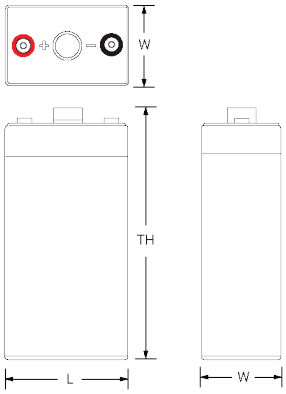
Charging

Cycle Applications: Apply constant voltage charge at 2.35VPC – 2.45VPC (14.1 to 14.7 volts for 12V Monobloc) at 20°C. The initial charging current should be set at less than C/5 Amps. Switch to float charge when the current falls to a 3% capacity rate to avoid overcharging. Stand-By or "Float" Service: Apply constant voltage charge of 2.25VPC – 2.30VPC (13.5 to 13.8 volts for 12V Monobloc) at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition. Temperature Compensation: Charging voltage for both cyclic and stand-by applications should be regulated in relation to ambient temperature. As temperature rises, charging voltage should be reduced to prevent overcharge and increased as the temperature falls to avoid undercharge. For further charging information, including temperature compensation factors, see the Power-Sonic Technical Manual.

Engineering Drawing



For Further Information

Please refer to our website, **www.power-sonic.com**, for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

Approvals

CE marking confirms a product meets EU safety, health, and environmental protection standards for battery and energy systems.

Conflict-free mineral certification ensuring ethical sourcing and transparent supply chain for responsible production.

Extended mineral reporting meets global supply chain transparency standards for responsible and ethical sourcing practices.

IEC 60896 standard ensures stationary lead-acid batteries meet safety, performance, and float charge application requirements.

ISO 9001:2015 certification ensures consistent quality management and manufacturing standards for energy storage products.

PFAS-free certification verifying environmentally responsible manufacturing of batteries and energy storage technologies.

California Proposition 65 compliant, providing consumer safety through reduced chemical exposure in battery manufacturing.

REACH compliant with EU chemical safety standards ensuring restricted substances are controlled in all battery components.

RoHS compliance ensures restriction of hazardous substances in electrical, electronic, and battery-powered products.

Sealed lead-acid batteries classified UN2800 non-spillable, certified safe for air, sea, and ground transport worldwide.

SVHC compliant with EU REACH regulations for Substances of Very High Concern used in electrical and energy storage products.

U.S. EPA TSCA compliance ensures toxic substances are regulated for safe manufacturing of batteries and electronic components.

UL 1989 certified for valve-regulated and vented lead-acid batteries used in UPS, emergency, and backup power applications.

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