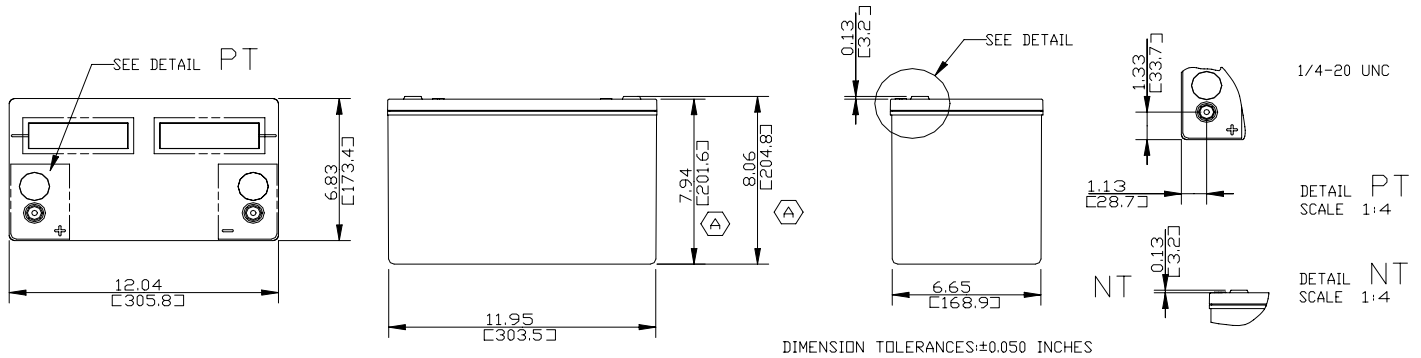


BATRIC – G27



BATRIC - G27 - Specifications

*All dimensions inches and (millimeters). All dimensions are for reference only

Cells Per Unit	Voltage Per Unit	Max. Weight	Electrolyte	Maximum Discharge Current	Short Circuit Current	10Sec. Volts @100 Amps	Ohms Imped. 60Hz. (Ω)
6	12.84	64 lbs. 29 kg.	Gelled H ₂ SO ₄ SG = 1.300	800 Amps	2300 Amps @ 0.1 Sec.	11.2	0.0055 Ohms

Capacity	87 Ah @ 20 hour rate to 1.75 volts per cell @ 80°F (27°C)
Operating Temperature Range	Discharge: -40°F (-40°C) to + 160°F (71°C), Charge: -10°F (-23°C) to + 140°F (60°C) (with temperature compensation)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average @ 77°F (25°C)
Recommended Maximum Charging Current Limit	C/5 amperes (17.2 amps @ 100% depth of discharge)
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results Maximum AC ripple voltage allowed = 1.4% RMS (4% P-P) Maximum AC ripple current allowed = 4.3 amperes RMS (C/20)
Self Discharge	BATRIC™ GEL/CELL batteries may be stored for up to 6 months @ 77°F (25°C) and than a freshening charge is required. For higher temperatures the time intervals will be shorter.
Accessories	Inter unit connectors, racks and cabinet systems are available
Terminal	Threaded Copper alloy insert Terminal to accept 1/4-20 UNC Bolt
Terminal Hardware Initial Torque	110 in. - lbs. (12.4 n – m)
Terminal Hardware Annual Retorque	32 in. - lbs. (3.48 n – m)

Constant Current Discharge Ratings – Amperes @ 80°F (27°C) to 1.75 Volts per Cell

Amperes	5	10	15	20	25	30	35	40	45	50
Run Time (minutes)	1026	482	306	219	166	135	111	93	80	70

Constant Current Discharge Ratings – Amperes @ 80°F (27°C)

Operating Time to End Point Voltage (In hours)

End Point Volts/Cell	.25	.50	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00	20.00	24.00	48.00	72.00	100
1.75	138.2	92.1	56.1	32.9	23.6	18.6	15.3	13.0	11.4	10.04	8.23	6.92	4.35	3.72	1.91	1.29	0.94
1.80	127.8	88.5	54.8	32.3	23.1	18.1	15.0	12.8	11.1	9.94	8.13	6.83	4.32	3.62	1.87	1.28	0.92
1.85	114.0	80.9	51.3	30.8	22.2	17.5	14.5	12.4	10.7	9.54	7.83	6.63	4.12	3.51	1.81	1.24	0.90

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.