

stored energy solutions for a demanding world

Model: **GTS-600G (6OPzV600)**

OpzV series

GTS-G OpzV range battery adopts traditional tubular gel technology, adopts patent gel electrolyte. The products are used as standby power for communication, power, military and broadcast and television system. They possess precise ABS heat seal technology between container and lid and patented post seal structure. Provide better deep cycle performance versus AGM. The design float life is 18+ years.



Specifications

Battery Model	GTS-600G (6OPzV 600)
Nominal Voltage	2V
Rated Capacity	600Ah (10hour rate) to 1.80V/cell @25 °C(77°F)
Typical Weight	49kg
Internal Resistance	Approx 0.425mΩ
Operating Temperature Range	Operation (maximum) : -40 °C to 55°C(-40°F to 131°F)
	Operation (recommended) : 15 °C to 25°C(59°F to 77°F)
	Storage: -20°C to 40°C(-4°F to 104°F)
Float Voltage	2.23V/cell@25 °C(77°F)
Charge Current	60A(Recommendation) 150A(Maxmum)
Equalize and Cycle Service	2.35V~2.40V/cell@25 °C(77°F)
Self Discharge	The residual capacity is above 94% after 90 days storage(25 °C/77°F)
Terminal	M8 Female Large Size Copper Post
Terminal Hardware Torque	15 ± 1.0Nm
Container Material	ABS (V0 optional)

Discharge Data with Constant Current Units : Amperes (25°C, 77°F)

End voltage	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	16h	24h	48h	100h
1.60V	658	525	360	223	161	128	110	96	77.6	63.6	41.0	28.5	15.66	8.78
1.65V	635	508	351	219	159	126	108	95	77.0	63.3	40.8	28.5	15.53	8.65
1.70V	598	487	341	214	156	125	107	94	76.1	63.0	40.7	28.2	15.40	8.51
1.75V	567	469	331	208	153	122	105	92	74.7	62.1	40.1	27.6	15.21	8.28
1.80V	500	429	315	200	149	120	103	89	72.9	60.2	38.8	27.0	14.96	8.02
1.85V	421	361	293	190	144	116	99.3	86.4	70.9	59.4	38.3	26.1	14.24	7.76
1.90V	318	308	234	165	129	108	92.4	79.8	64.2	53.4	34.5	24.0	13.30	7.15

Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

End voltage	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	16h	24h
1.60V	1316	1042	798	438	333	265	222	193.0	159.7	134.2	86.6	58.7
1.65V	1253	987	742	435	331	263	221	191.0	158.6	133.3	86.1	58.3
1.70V	1196	942	695	429	326	259	218	188.5	156.5	131.4	84.8	57.5
1.75V	1132	904	654	417	318	249	210	185.0	153.9	129.0	83.3	56.7
1.80V	1059	868	617	402	309	243	200	175.5	146.7	122.4	79.0	53.7
1.85V	991	834	574	387	294	231	195	168.1	140.0	117.3	75.7	51.5
1.90V	926	761	511	351	284	220	190	152.6	126.4	106.4	68.7	46.7

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Dimensions—mm [inch]

