

OPzV Tubular-Gel Battery

6 OPzV 600

2V600AH



FEATURES

- Non-Spillable construction design
- Safety valve installation for explosion proof
- Low self discharge characteristic
- Exceptional deep discharge recovery performance
- ABS containers and covers(UL94HB, UL94V-0) optional
- Higher safety & reliability

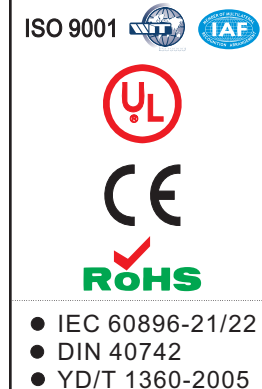
APPLICATION

- Solar Energy System
- Telecommunications
- Emergency Power System
- Control Equipment
- Power Plant and Power Transformer System



SPECIFICATIONS

Nominal Voltage	2V
Nominal Capacity	600Ah@10 hour rate F.V.(1.80V/cell)
Approx. Weight	49.0Kg (108.03lbs.)
Terminals	M8 Female Large Size Copper Post
Internal Resistance	≤0.43mΩ (Fully Charged)
Max. Discharge Current	6000A (3 sec)
Max. Charge Current	150A
Operating Temperature Range	Charge: -20°C~50°C (-4°F~122°F) Discharge: -40°C~55°C (-40°F~131°F) Storage : -20°C~40°C (-4°F~104°F)
Self Discharge	About 2.0% of capacity declined per month at (25°C)



DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

207±2.0mm (8.15±0.08inch)

Width

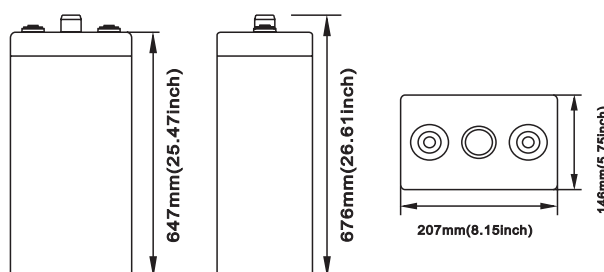
146±2.0mm (5.75±0.08inch)

Container Height

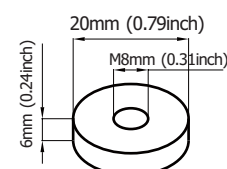
647±2.0mm (25.47±0.08inch)

Total Height

676±2.0mm (26.61±0.08inch)



Terminal



[M8 BOLT]

Terminal Hardware Initial Torque:13(5.5Nm±5%)

Constant power discharge characteristics at 25°C/77°F Unit:W

F. V/Time	15MIN	30MIN	1HR	2HR	3HR	5HR	10HR	20HR	Charge Voltage	
1.70V	1096	894	637	459	322	219	118	65.0	Cycle use	2.35-2.40V (±4mV)
1.75V	1009	857	665	396	311	215	116	64.4		
1.80V	895	805	584	385	302	213	115	64.0	Max Current	150A
1.90V	644	599	477	353	265	195	104	62.7		

Constant current discharge characteristics at 25°C/77°F Unit:A

F. V/Time	15MIN	30MIN	1HR	2HR	3HR	5HR	10HR	20HR	Float Use	
1.70V	636	516	351	242	159	107	62.0	34.3	2.25-2.30V (±3mV)	
1.75V	564	468	336	208	156	106	61.0	34.2		
1.80V	492	520	312	199	150	104	60.0	34.1		
1.90V	312	294	234	165	129	92.5	53.5	32.3		

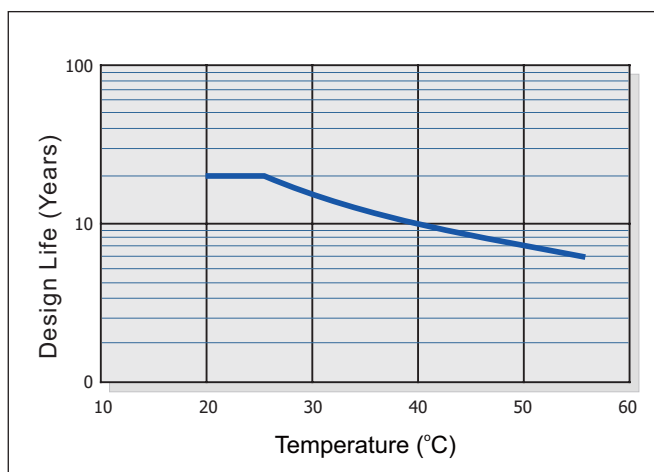
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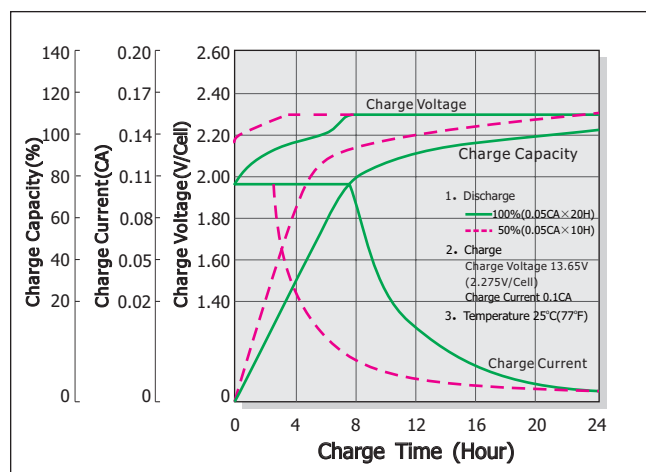
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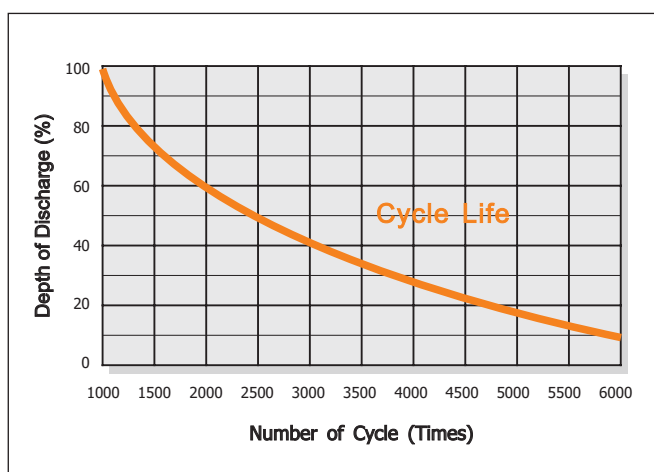
Trickle(or Float) Service Life



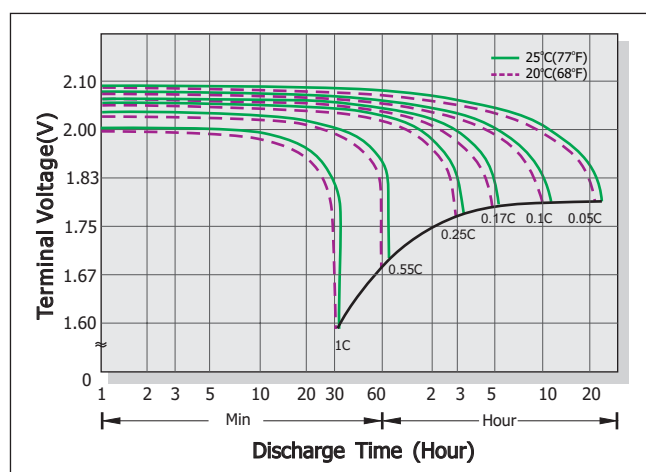
Charge Characteristic



Depth of Discharge vs. Cycles



Discharge Characteristic



Capacity Factors With Different Temperature

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	6V&12V	55%	75%	85%	88%	90%	98%	100%	102%	104%	105%
	2V	65%	80%	88%	90%	92%	99%	100%	103%	105%	106%
AGM Battery	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

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