

# UzV 3000-2

2V 3000AH

OPzV - UzV

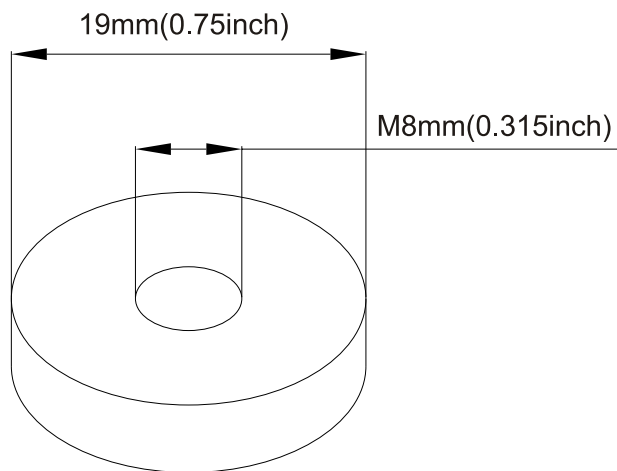
# Ultracell®

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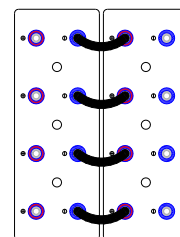
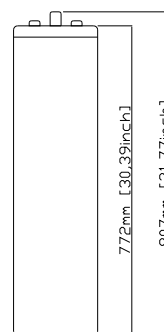
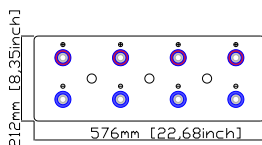
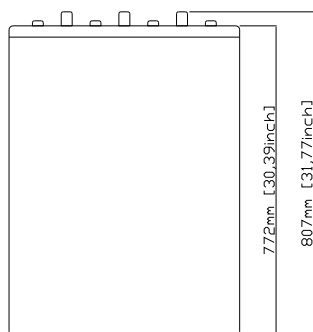
## Image



## Terminal Type



## Dimensions



## Specifications

Battery Model	UzV 3000-2			
Designed Floating Life	> 1200 cycles @ 80% DOD			
Capacity (25°C)	10HR (300A, 1.80V)	5HR (504A, 1.77V)	3HR (744A, 1.75V)	1HR (1488A, 1.67V)
	3000AH	2520AH	2232AH	1488AH
Dimensions	Length	Width	Height	Total Height
	576mm	212mm	772mm	807mm
Approx. Weight	230Kg +/- 5%			
Internal Resistance	Fully Charged at 20°C 0.0038 Ohm			
Self Discharge	3% of capacity declined per month at 20°C			
Capacity Affected by Temperature	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle Use		Float Use	
	2.35V (-4mV/°C), max. Current: 750A		2.25V (-3mV/°C)	

## Construction

Component ——— Raw material  
 Positive ——— Lead dioxide  
 Negative ——— Lead  
 Container ——— ABS (Flame Retardent optional)  
 Cover ——— ABS (Flame Retardent optional)

Sealed and maintenance free option

Sealant ——— Epoxy Resin  
 Safety Valve ——— Rubber  
 Terminal ——— Copper  
 Separator ——— AGM or PVC-SiO<sub>2</sub>  
 Electrolyte ——— Sulphuric acid and SiO<sub>2</sub> colliod

Non-spillable construction design



CE 1188



MH 29410

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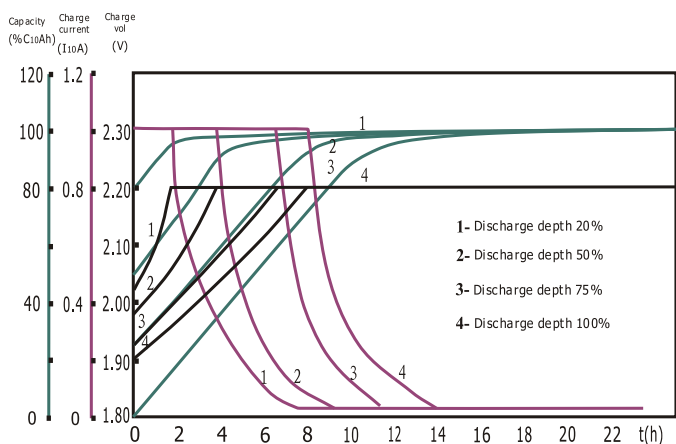
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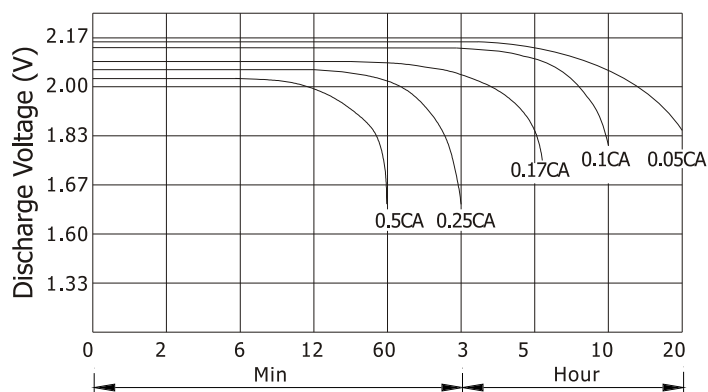
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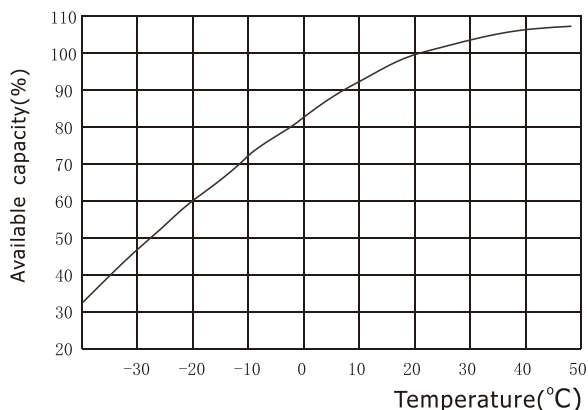
## Charge Characteristic



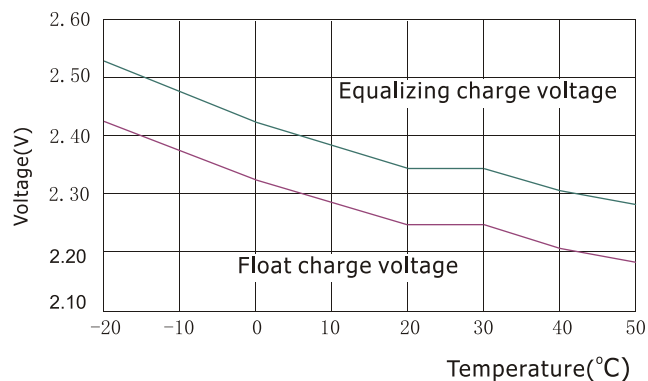
## Discharge Characteristic 25°C



## Available Capacity Vs. Ambient Temperature



## Float Voltage / Equivalent Voltage Vs. Temperature



## Constant Current Discharge Ratings - amperes at 20°C

F.V / Time	5 MIN	15 MIN	30 MIN	1 HR	2 HR	3 HR	4 HR	5 HR	10 HR
1.60 V	5250.0	4020.0	2820.0	1574.4	1220.9	812.2	709.3	524.3	319.9
1.65 V	5050.2	3453.0	2520.7	1500.0	1193.4	797.2	694.3	522.7	319.9
1.70 V	4674.6	3179.8	2314.3	1240.9	1177.8	793.0	693.1	519.3	318.1
1.75 V	4374.4	2771.7	2059.6	1200.0	1050.0	744.0	643.5	510.0	308.5
1.80 V	3841.4	2499.7	1772.5	1013.2	988.5	689.6	600.0	480.0	300.0
1.85 V	3253.1	2087.2	1382.9	786.3	907.2	610.0	540.3	450.9	287.8

## Constant Power Discharge Ratings - watts at 20°C

F.V / Time	5 MIN	15 MIN	30 MIN	1 HR	2 HR	3 HR	4 HR	5 HR	10 HR
1.60 V	8925.0	6874.2	4850.4	2849.7	222.0	1486.4	1305.0	981.5	627.0
1.65 V	8736.8	6008.1	4379.7	2745.0	2195.9	1482.8	1303.1	977.4	626.6
1.70 V	8227.3	5628.3	4119.4	2295.7	2190.7	1474.9	1291.5	974.1	623.8
1.75 V	7830.3	4989.0	3727.9	2244.0	1974.0	1406.2	1222.6	969.9	610.9
1.80 V	6991.3	4574.4	3261.3	1914.9	1878.1	1317.2	1152.0	926.4	597.0
1.85 V	6115.8	3944.8	2627.5	1517.6	1759.9	1189.4	1059.0	888.2	578.5



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