

CZS800-2

2V 800AH

OPzS



CZS800-2

Awaiting Image

Physical Specification

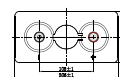
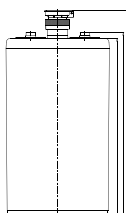
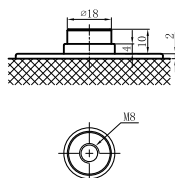
Part Number	CZS800-2
Length	191 ± 2 mm
Width	210 ± 2 mm
Container Height	646 ± 2 mm
Total Height (with terminal)	701 ± 2 mm
Approx Weight without / with Electrolyte	47.0kg / 63.0kg

Specifications

	Nominal Voltage	2V
	Nominal Capacity (10HR)	643.0AH
Terminal Type	Standard Terminal	-
	Optional Terminal	-
Container Material	Standard Option	SAN transparent container
Rated Capacity	(100 hr, 1.80V/cell, 20°C)	984 AH/984A
	(10 hr, 1.80V/cell, 20°C)	857.0 AH/85.7A
	(5 hr, 1.75V/cell, 20°C)	755.0 AH/151.0A
	(3 hr, 1.75V/cell, 20°C)	643.2 AH/214.4A
Max Discharge Current	6400A (5s)	
Internal Resistance	Approx 0.35mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C Charge: 0 ~ 40°C Storage: -15 ~ 40°C
	Type and number of poles	F8/4
	Charging	Floating voltage: 2.23V~2.25V at 20°C Temp. Boost charge: 2.30V~2.40V at 20°C Temp. Charging current(max.): 0.1CA Temp.Coefficient -3mV/°C
	Capacity affected by Temperature	40°C 103% 25°C 100% 0°C 86%
Design Floating Life at 20°C	20 Years	
Self Discharge	Canbat CZS batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

Terminal



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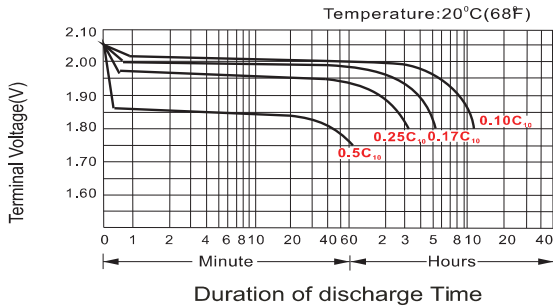
Constant Current Discharge (Amperes) at 20°C

F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	606.4	526.9	456.8	360.0	297.6	222.4	178.8	151.2	130.9	103.6	85.6	46.4
1.65V/cell	569.6	506.7	441.6	350.9	290.8	218.7	176.2	149.2	129.1	102.3	84.6	46.0
1.70V/cell	540.8	477.9	424.8	339.7	284.0	212.3	172.2	146.0	126.6	100.5	83.2	45.3
1.75V/cell	507.2	455.5	403.2	323.7	272.0	205.6	167.0	142.1	123.6	98.8	81.8	44.6
1.80V/cell	451.2	410.7	371.2	303.5	255.6	195.2	159.9	136.2	119.1	96.1	80.0	43.7
1.85V/cell	360.0	340.3	317.6	269.9	232.0	178.7	147.9	127.7	112.1	91.4	76.6	42.0

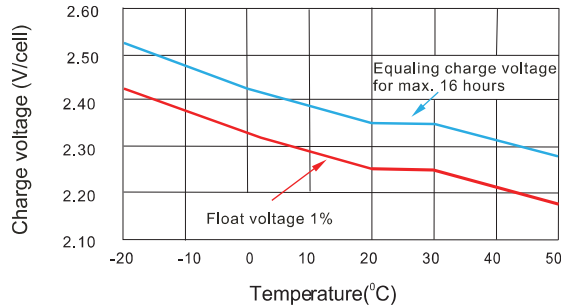
Constant Power Discharge (Watts) at 20°C

F.V/Time	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V/cell	1035.1	922.1	811.0	647.2	541.2	407.3	330.4	281.3	245.1	194.8	161.5	88.0
1.65V/cell	993.4	897.2	790.6	634.0	531.5	402.5	327.2	278.9	242.9	193.3	160.4	87.6
1.70V/cell	956.1	855.0	766.2	617.9	521.3	392.6	320.8	274.0	239.1	190.7	158.3	86.7
1.75V/cell	911.8	823.7	734.1	593.0	502.9	382.7	312.7	268.0	234.1	188.2	156.4	85.6
1.80V/cell	822.2	753.9	684.5	562.3	476.8	366.1	301.2	258.2	226.9	184.0	153.8	84.4
1.85V/cell	667.1	633.8	594.3	506.9	437.6	338.7	281.5	244.0	215.4	176.3	148.5	81.9

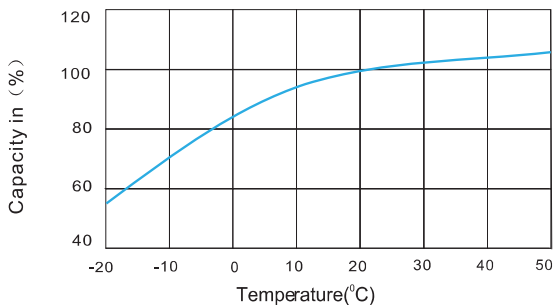
Discharge Characteristics



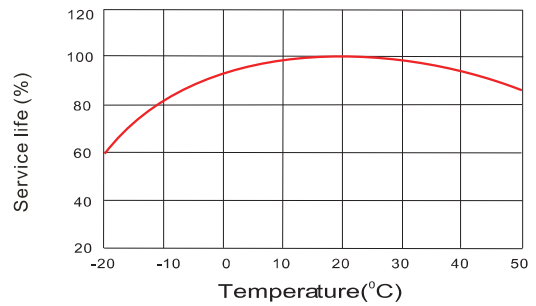
Charge voltage Vs ambient temperature curve



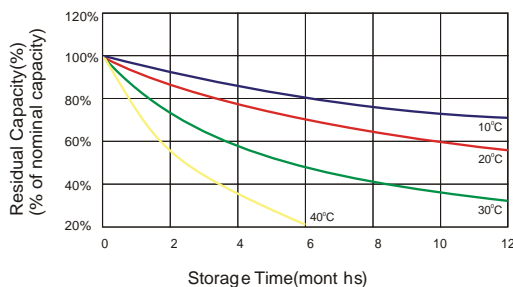
Discharge capacity Vs Ambient temperature curve (I10A)



Relation curves of service life and ambient temperature



Self Discharge Characteristics



No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)

Supplementary charge required before use. Optional charging way:
 1. Charged for above 3 days at current 0.1C A and constant volatge 2.25V/cell.
 2. Charged for above 20hours at current 0.1C A and constant volatge 2.45V/cell.
 3. Charged for 8~10hours at limited current 0.05CA .

Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.