

CDC 8-12S

12V 8AH

Deep Cycle



CDC8-12S

Awaiting Image

Physical Specification

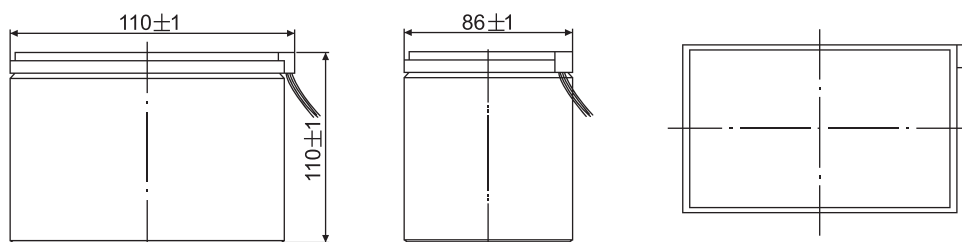
Part Number:	CDC8-12S
Length:	110 ± 2 mm (4.33 inches)
Width:	86 ± 2 mm (3.39 inches)
Container Height:	101 ± 2 mm (3.98 inches)
Total Height (with terminal):	101 ± 2 mm (3.98 inches)
Approx Weight:	Approx 2.30kg (5.07lbs)

Specifications

	Normal Voltage	12V
	Normal Capacity (20HR)	8.0AH
Terminal Type	Standard Terminal	plug
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS(UL94:VO)
Rated Capacity	8.0 AH	(20hr, 1.80V/cell, 25°C / 77°F)
	7.4 AH	(10hr, 1.80V/cell, 25°C / 77°F)
	5.3 AH	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	135A (5s)	
Internal Resistance	Approx 17mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)
		Charge: 0 ~ 40°C (5 ~ 104°F)
		Storage: -15 ~ 40°C (5 ~ 104°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 2.4A. Voltage 14.5V ~ 14.9V at 25°C (77°F) Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.6V ~ 13.8V at 25°C (77°F) Temp. Coefficient -18mV/°C
Capacity affected by Temperature	40°C (104°F) 103%	
	25°C (77°F) 100%	
	0°C (32°F) 86%	
Design Floating Life at 20°C	12 Years	
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C(77F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

■ plug Terminal



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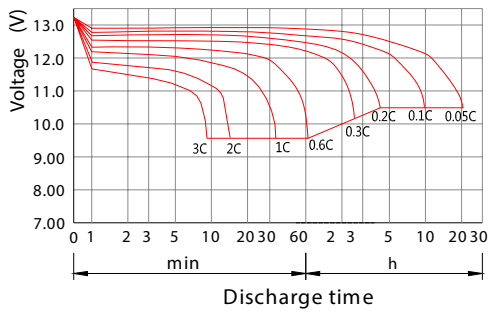
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
9.60V/cell	31.0	19.2	15.2	8.56	5.25	2.84	2.04	1.63	1.39	0.76	0.41
9.90V/cell	30.1	18.6	14.8	8.39	5.17	2.83	2.03	1.62	1.38	0.75	0.40
10.2V/cell	28.8	17.9	14.3	8.14	5.04	2.80	2.01	1.61	1.37	0.75	0.40
10.5V/cell	27.6	17.1	13.8	7.94	4.94	2.76	2.00	1.60	1.36	0.74	0.40
10.8V/cell	26.0	16.1	13.1	7.65	4.79	2.69	1.94	1.55	1.32	0.73	0.39

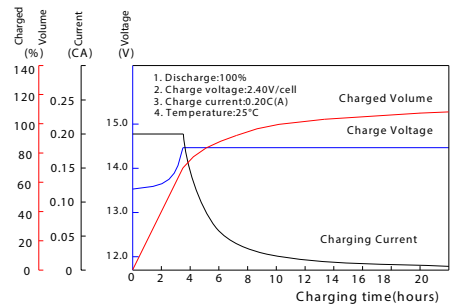
Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
9.60V/cell	346	249	197	98.2	60.8	37.4	27.3	21.9	18.6	10.2	5.48
9.90V/cell	336	241	192	96.2	59.9	37.2	27.1	21.7	18.5	10.2	5.46
10.2V/cell	322	231	185	93.2	58.4	36.9	26.9	21.6	18.4	10.1	5.43
10.5V/cell	308	221	179	91.0	57.2	36.3	26.7	21.4	18.3	10.0	5.40
10.8V/cell	291	209	169	87.7	55.5	35.4	25.9	20.8	17.7	9.84	5.29

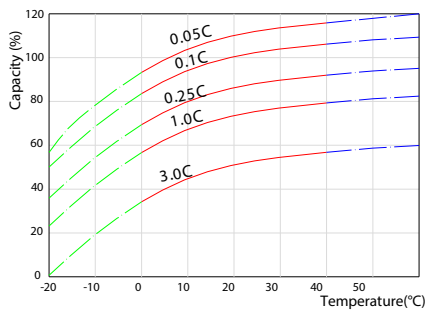
Discharge Characteristics



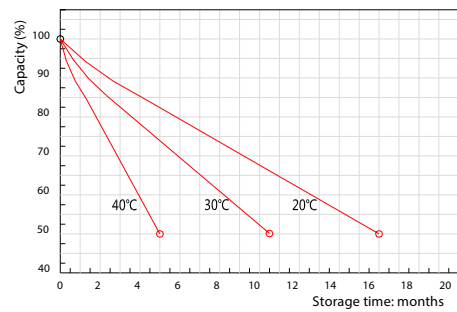
Charging Characteristics (cycle use)



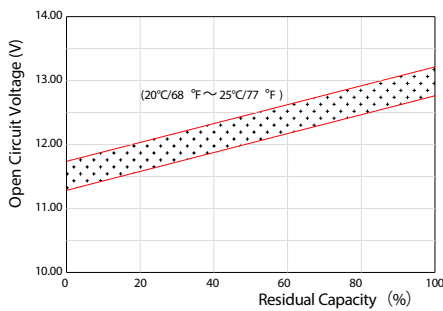
Temperature Effects in Relation to Battery Capacity



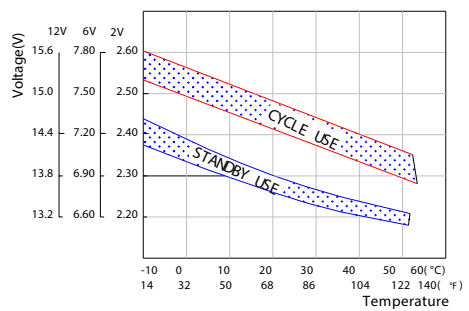
Self Discharge Characteristics



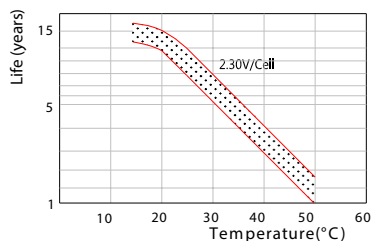
The Relationship for Open Circuit Voltage and Residual Capacity



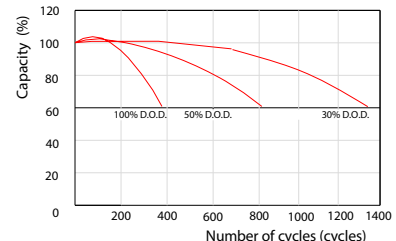
The Relationship for Charging Voltage and Temperature



Float Life on Temperature



Cycle Life on D.O.D (25°C)



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