



EVX 12200 is designed specially for electric vehicles, such as electric golf cart, electric wheelchair, mower, dust collector...etc. It has high cycling life, high efficiency and long service life.



Specification

Cells Per Unit	6	
Voltage Per Unit	12	
Capacity	20Ah @ 20hr-rate to 1.75V per cell @25 ℃(77°F)	.7%
Weight	Approx. 6.70kg(14.77 lbs)	MH14533(N)
Maximum Discharge Current	230A(5sec)	
Internal Resistance	Approx. 13m Ω	TÜV
Operating Temperature Range	Discharge: -20°C ~50°C (-4°F ~122°F)	
	Charge: 0°C ~40°C (32°F~104°F)	No.:041005117
	Storage: -20°C ~40°C (-4°F ~104°F)	
Nominal Operating Temperature Range	25 °C ± 3 °C (77°F±5°F)	RWTUV
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25℃(77°F)	ISO 14001 NO. UM 1-12-0045
Recommended Maximum Charging	6.0A	
Current Limit		CSB-manufactured
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25℃(77°F)	batteries are UL-
Self Discharge	CSB Batteries can be stored for more than 6 months at	under UL924 and
	$25^{\circ}C(77^{\circ}F)$. Please charge batteries before using. For	UL1989.
	higher temperatures the time interval will be shorter.	CSB is also certified by
Terminal	Thread Insert & Bolt	ISO 14001.
Container Material	-ABS (UL94-HB)*Flammability resistance of UL94-V2	
	can be available upon request.	

Dimensions



Constant Current Discharge Characteristics Unit:A (25°C,77°F)

F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	20.6	12.5	9.25	7.78	5.28	4.19	3.45	2.30	1.89	1.03
1.67V	19.9	12.2	8.96	7.54	5.13	4.08	3.35	2.23	1.83	1.00
1.70V	19.7	12.1	8.83	7.43	5.07	4.03	3.31	2.20	1.81	0.980
1.75V	18.9	11.6	8.50	7.16	4.88	3.86	3.17	2.12	1.75	0.940
1.80V	18.2	11.1	8.17	6.88	4.68	3.69	3.03	2.03	1.68	0.900
1.85V	17.4	10.6	7.84	6.61	4.49	3.52	2.89	1.95	1.62	0.860

Constant Power Discharge Characteristics Unit:W (25°C,77°F)

F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	247	150	111	93.4	63.4	50.3	41.4	27.6	22.7	12.3
1.67V	239	147	108	90.4	61.6	48.9	40.2	26.8	22.0	11.9
1.70V	236	145	106	89.1	60.8	48.3	39.7	26.4	21.7	11.7
1.75V	227	139	102	85.8	58.5	46.3	38.0	25.4	20.9	11.3
1.80V	218	133	98.0	82.5	56.1	44.3	36.3	24.3	20.1	10.8
1.85V	209	127	94.0	79.2	53.8	42.3	34.6	23.3	19.3	10.4

• All mentioned values are average values.

EVX 12200 12V 20.0Ah



BATTERY

Trickle (or Float) Service Life





Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Charging Procedures

	Ch				
Application	Temperature	Set Point	Allowable Range	Max. Charge Current	
Cycle Use	25°C (77°F)	2.45	2.40~2.50	0.20	
Standby	25°C (77°F)	2.275	2.25~2.30	0.30	

GP & EVX Series Cycle Service Life



Terminal Voltage (V) and Discharge Time (25°C77°F)



Discharge Current VS. Discharge Voltage

t	Final Discharge Voltage V/Cell	1.75	1.70	1.55	1.30
	Discharge Current (A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

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