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ELECTRO BATTERY CO. LTD.

In 2009 ELECTRO BATTERY CO. LTD. (EBCL) has started manufacturing and marketing battery under the brand name of "ELECTRO" especially Industrial (stationary, traction and deep cycle) and automotive battery.

EBCL is equipped with the state of the art technology and machineries.

EBCL manufactures a wide range of stationary, deep cycle solar batteries and automotive batteries.



Specific Feature:

- Low Self discharge
- Low Internal resistance
- Reliability
- Long life
- Minimum Maintenance
- High rate of discharge

Applications:

- Solar PV system
- Signaling system in Railway
- Telecommunication
- UPS
- Security monitoring system

Factory: Boro Rangamatia, Durgapur, Ashulia, Dhaka.



PRODUCT RANGE

	Parameters	FINAL VOLATGE (Volt/Cell)	EI - 150	EI -200	EI – 300	EI – 400	EI - 800
Capacity in Amperes (I)	10Hr(C ₁₀)	1.8	150	200	300	400	800
	5Hr(C ₅)	1.78	129	172	258	344	688
	3Hr(C ₃)	1.76	112.5	150	225	300	600
	1Hr(C ₁)	1.75	85.5	114	171	228	456
Discharge Current in Ampere (I) at 24-26 ^o C	I ₁₀		15	20	30	40	80
	I ₅		25.5	34	52	69	138
	I ₃		37.5	50	75	100	200
	I ₁		85.5	114	171	228	456
Charge Current in Amperes at 24-26 ^o C	Starting		24.8	33	50	67	133
	Finishing		7.5	10	15	20	40.5
External Dimension of cell (mm)	Length		103	103	145	186	250
	Width		206	206	206	206	205
	Height		450	450	450	450	450
Weight of Cell in Kg	Dry		9.75	13	18.5	22.5	46
	Wet		13.5	18.5	24.5	29.5	63
Weight of Electrolyte in Kg			5	5.5	6	7	16
No. of Pillars per Cell			2	2	2	2	2

TECHNICAL SPECIFICATION

Nominal Voltage	: 2 Volt
Floating Voltage	: 2.23±0.02 Volt
Equalizing Voltage	: 2.3-3.35 Volt
Positive Plate	: Tubular
Negative Plate	: Pasted Flat
Separator	: Microporous Rubber / PE / PVC
Electrolyte	: Dilute Sulphuric Acid
Specific Gravity	: 1.24 at 25 ^o C
Specific gravity (charged)	: 1.24±0.005 at 25 ^o C
Container	: Transparent SAN
Vent Plug	: Explosion proof and non-acid spray ceramic
Terminal post	: Antimonial lead
Inter-cell connector	: Nut-bolt type lead or lead coated copper bar
Charging efficiency	: 98-99%

Life Cycle:

- 80% Depth of Discharge - 2400 cycles
- 50% Depth of Discharge - 3600 cycles
- 20% Depth of Discharge - 7200 cycles