

EverExceed®
power your applications



EBL30

NICD POCKET PLATE RANGE

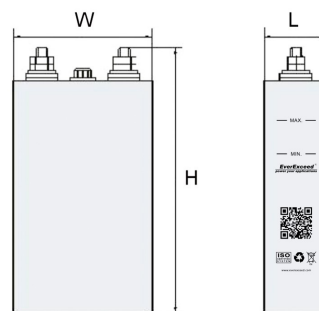
RELIABLE CAPACITIES
FOR INCREASED SECURITY

HIGH PERFORMANCE



Dimensions

L:55/2.2 W:134/5.3 H:270/10.6
(mm/inch)



Performance Specifications

Normal Voltage	1.2V
Capacity	30Ah @ 5 hr to 1.00V per cell @ 20°C(68°F)
Weight	With Electrolyte: 2.2kg/4.8lbs Without Electrolyte: 1.5kg/3.3lbs
Recommended Operating Temperature Range	-20°C to +60°C(-4°F to +140°F)
Short circuit current	300Amps
Internal resistance	8.3milliohms
Cell Case Material	PP
Terminal	M10

Applications

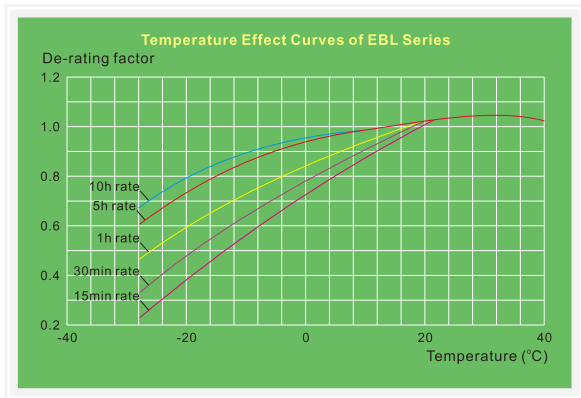
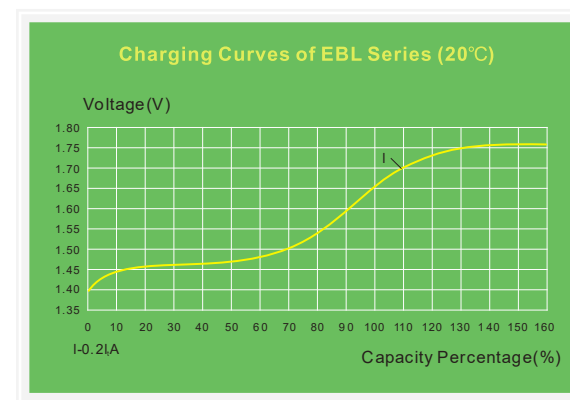
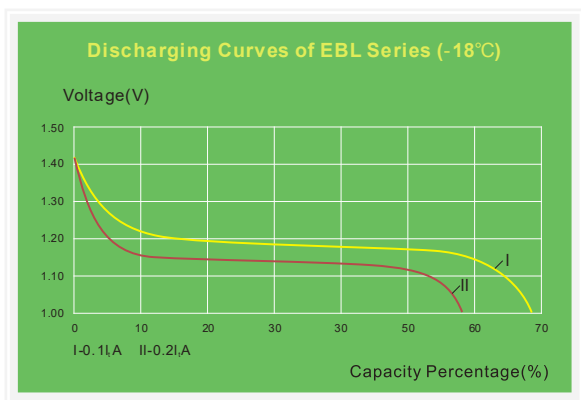
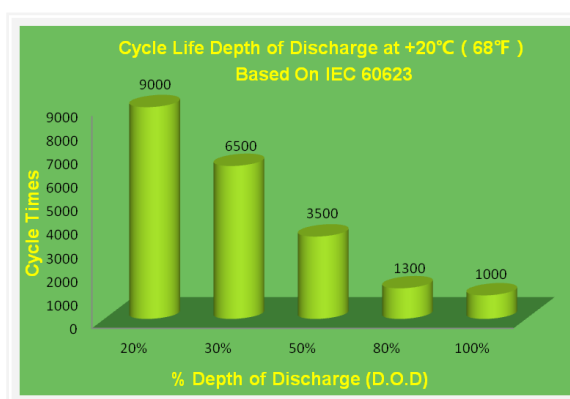
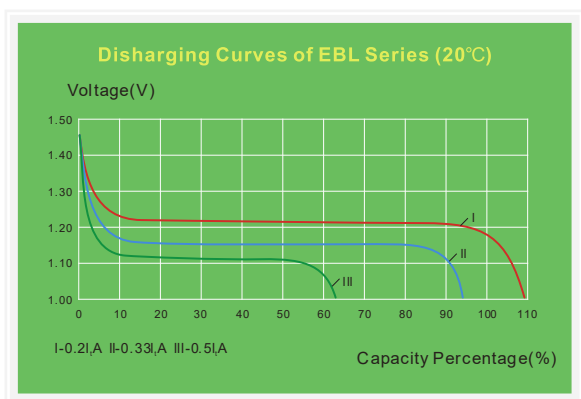
Power plant
Railway signaling
Emergency lighting
Telecommunications

Substation
Train
Control systems
Photovoltaic

Technical Features

- ◆ Low discharge rate design, L type.
- ◆ Proven pocket-plate nickel-cadmium technology 30 years of experience in developing and manufacturing nickel-cadmium batteries.
- ◆ High tolerance to electrical abuses such as overcharge and over discharge.
- ◆ High tolerance to rough handling and mechanical abuse due to strong components and robust construction.
- ◆ Trouble-free long cycle life .
- ◆ No risk of sudden death due to the chemistry and the cell structure.
- ◆ Generous electrolyte reserve for long maintenance intervals.
- ◆ Clear (MBS) or translucent (PP) plastic cell case for easy electrolyte level inspection.
- ◆ Plastic grid spacers eliminate separator deterioration problem.
- ◆ Custom cell dimensions available.
- ◆ 20+ years service life in stationary applications.
- ◆ Conforms to IEC60623.





Constant Current Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)																	
Final VPC	10hr	8hr	5hr	3hr	2hr	1.5hr	1hr	45min	30min	20min	15min	10min	5min	1min	30s	5s	1s
1.14	2.97	3.64	5.45	8.18	10.7	12.4	15.3	16.8	19.6	22.7	25.1	26.5	30.2	43.4	50.3	65.8	75.4
1.10	3.03	3.75	5.82	8.89	12.0	14.3	17.6	19.0	23.3	26.2	28.2	32.1	42.6	49.5	56.7	74.2	84.4
1.05	3.09	3.83	5.94	9.39	13.3	16.1	21.0	23.5	28.2	33.4	36.5	40.8	44.5	60.2	67.6	89.8	101
1.00	3.11	3.87	6.06	9.70	13.8	17.4	23.3	26.0	33.0	38.1	41.6	44.0	55.6	69.0	77.5	102	114



EverExceed®
power your applications

EBL45

NICD POCKET PLATE RANGE

RELIABLE CAPACITIES
FOR INCREASED SECURITY

HIGH PERFORMANCE



Performance Specifications

Normal Voltage	1.2V
Capacity	45Ah @ 5 hr to 1.00V per cell @ 20°C(68°F)
Weight	With Electrolyte: 3.0kg/6.6lbs Without Electrolyte: 2.0kg/4.4lbs
Recommended Operating Temperature Range	-20°C to +60°C(-4°F to +140°F)
Short circuit current	450Amps
Internal resistance	5.56milliohms
Cell Case Material	PP
Terminal	M10

Applications

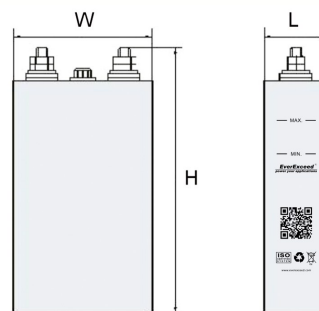
Power plant
Railway signaling
Emergency lighting
Telecommunications

Substation
Train
Control systems
Photovoltaic



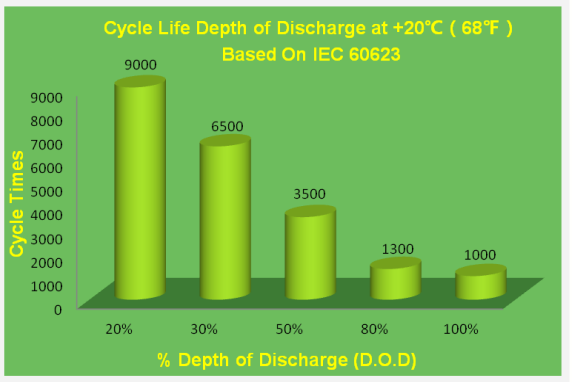
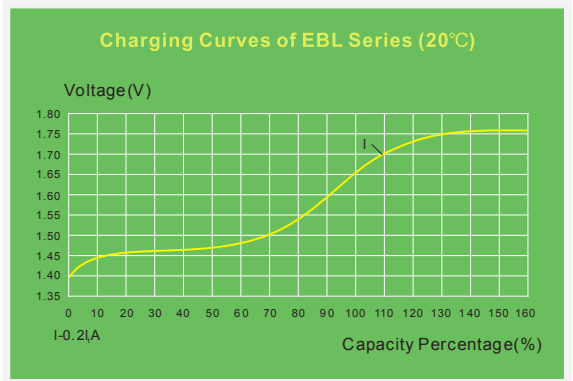
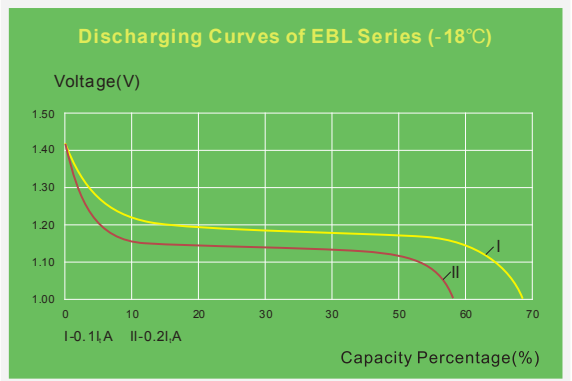
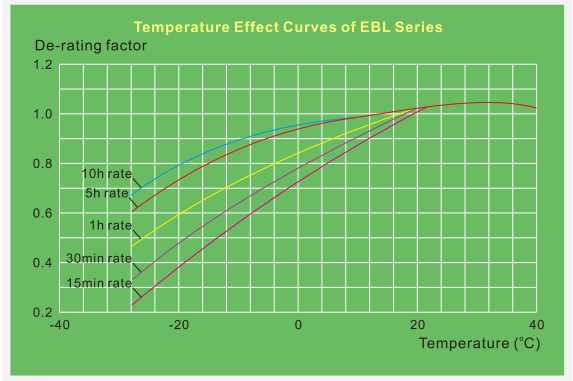
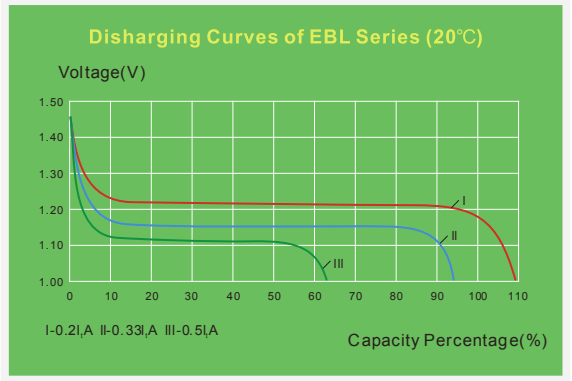
Dimensions

L:60/2.4 W:140/5.5 H:270/10.6
(mm/inch)



Technical Features

- ◆ Low discharge rate design, L type.
- ◆ Proven pocket-plate nickel-cadmium technology 30 years of experience in developing and manufacturing nickel-cadmium batteries.
- ◆ High tolerance to electrical abuses such as overcharge and over discharge.
- ◆ High tolerance to rough handling and mechanical abuse due to strong components and robust construction.
- ◆ Trouble-free long cycle life .
- ◆ No risk of sudden death due to the chemistry and the cell structure.
- ◆ Generous electrolyte reserve for long maintenance intervals.
- ◆ Clear (MBS) or translucent (PP) plastic cell case for easy electrolyte level inspection.
- ◆ Plastic grid spacers eliminate separator deterioration problem.
- ◆ Custom cell dimensions available.
- ◆ 20+ years service life in stationary applications.
- ◆ Conforms to IEC60623.



Constant Current Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)																	
Final VPC	10hr	8hr	5hr	3hr	2hr	1.5hr	1hr	45min	30min	20min	15min	10min	5min	1min	30s	5s	1s
1.14	4.46	5.45	8.18	12.2	16.1	18.6	23.0	25.3	29.4	34.0	37.6	39.7	45.4	65.1	75.4	99.0	113
1.10	4.55	5.63	8.73	13.3	18.0	21.5	26.4	28.5	34.8	39.2	42.2	48.2	57.8	74.2	85.1	112	126
1.05	4.64	5.73	8.91	14.1	19.8	24.2	31.4	35.2	42.2	50.1	54.7	61.1	66.8	90.0	102	135	152
1.00	4.66	5.80	9.09	14.5	20.7	26.0	34.8	39.1	49.6	57.2	62.4	63.3	83.4	104	116	153	172



EverExceed®
power your applications



EBL90

NICD POCKET PLATE RANGE

RELIABLE CAPACITIES
FOR INCREASED SECURITY

HIGH PERFORMANCE



Performance Specifications

Normal Voltage	1.2V
Capacity	90.0Ah @ 5 hr to 1.00V per cell @ 20°C(68°F)
Weight	With Electrolyte: 6.0kg/13.2lbs Without Electrolyte: 4.2kg/9.3lbs
Recommended Operating Temperature Range	-20°C to +60°C(-4°F to +140°F)
Short circuit current	900Amps
Internal resistance	2.7milliohms
Cell Case Material	PP
Terminal	M10

Applications

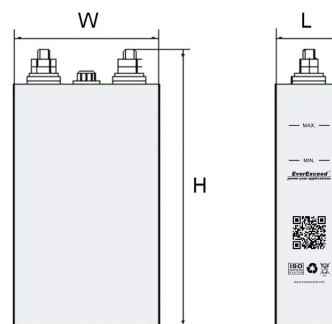
Power plant
Railway signaling
Emergency lighting
Telecommunications

Substation
Train
Control systems
Photovoltaic



Dimensions

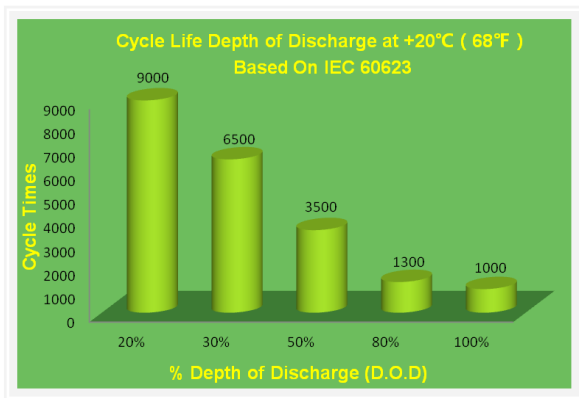
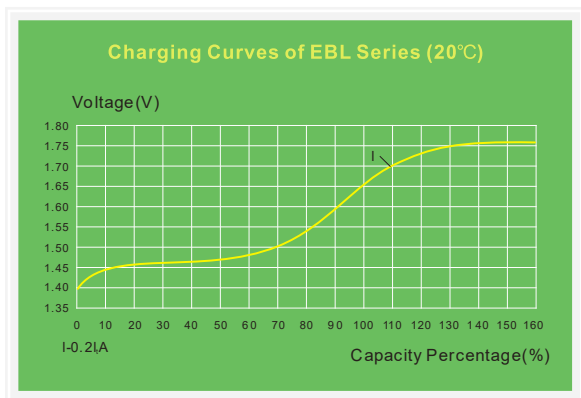
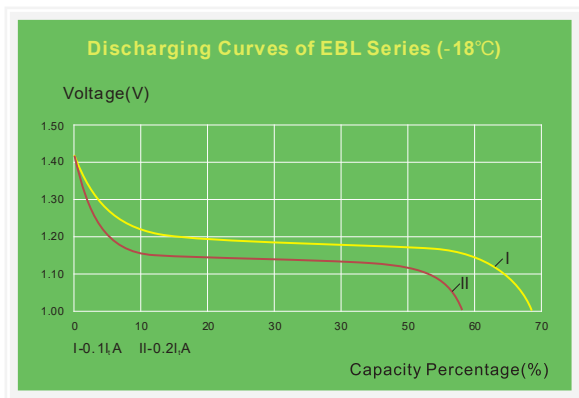
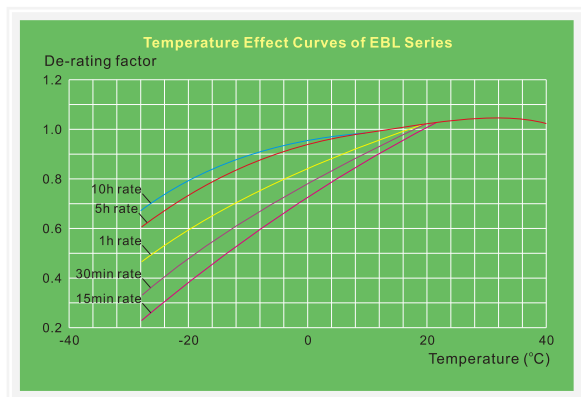
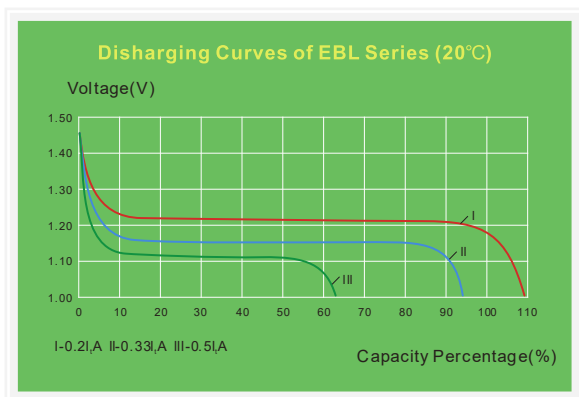
L:80/3.1 W:140/5.5 H:365/14.4
(mm/inch)



Technical Features

- ◆ Low discharge rate design, L type.
- ◆ Proven pocket-plate nickel-cadmium technology 30 years of experience in developing and manufacturing nickel-cadmium batteries.
- ◆ High tolerance to electrical abuses such as overcharge and over discharge.
- ◆ High tolerance to rough handling and mechanical abuse due to strong components and robust construction.
- ◆ Trouble-free long cycle life .
- ◆ No risk of sudden death due to the chemistry and the cell structure.
- ◆ Generous electrolyte reserve for long maintenance intervals.
- ◆ Clear (MBS) or translucent (PP) plastic cell case for easy electrolyte level inspection.
- ◆ Plastic grid spacers eliminate separator deterioration problem.
- ◆ Custom cell dimensions available.
- ◆ 20+ years service life in stationary applications.
- ◆ Conforms to IEC60623.





Constant Current Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)																	
Final VPC	10hr	8hr	5hr	3hr	2hr	1.5hr	1hr	45min	30min	20min	15min	10min	5min	1min	30s	5s	1s
1.14	8.91	10.9	16.4	23.6	29.9	34.3	40.4	44.4	51.4	56.7	60.5	68.0	79.4	102	112	139	154
1.10	9.09	11.3	17.4	26.0	34.5	40.0	49.1	53.0	60.6	66.1	73.4	82.6	88.1	117	128	156	170
1.05	9.27	11.6	18.0	28.2	39.0	46.5	57.9	64.8	75.3	84.8	89.0	101	122	141	154	200	215
1.00	9.37	11.6	18.2	29.1	41.0	50.3	65.2	73.1	89.1	101	110	136	134	162	177	216	232



EverExceed®
power your applications

EBL130

NICD POCKET PLATE RANGE

RELIABLE CAPACITIES
FOR INCREASED SECURITY

HIGH PERFORMANCE



Performance Specifications

Normal Voltage	1.2V
Capacity	130Ah @ 5 hr to 1.00V per cell @ 20°C(68°F)
Weight	With Electrolyte: 8.6kg/19.0lbs Without Electrolyte: 6.2kg/13.7lbs
Recommended Operating Temperature Range	-20°C to +60°C(-4°F to +140°F)
Short circuit current	1300Amps
Internal resistance	1.92milliohms
Cell Case Material	PP
Terminal	M20

Applications

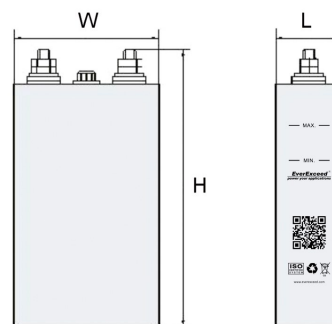
Power plant
Railway signaling
Emergency lighting
Telecommunications

Substation
Train
Control systems
Photovoltaic



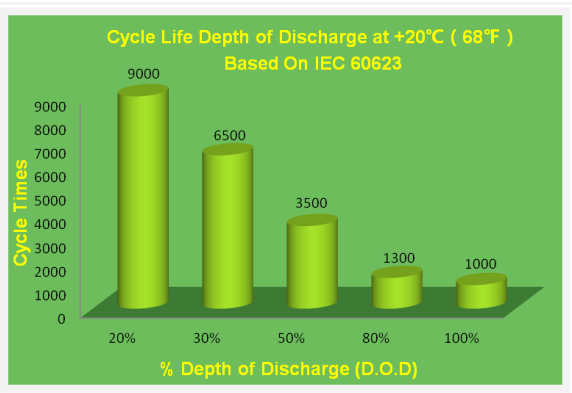
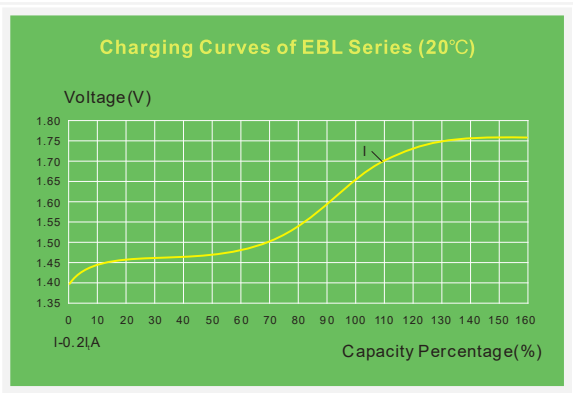
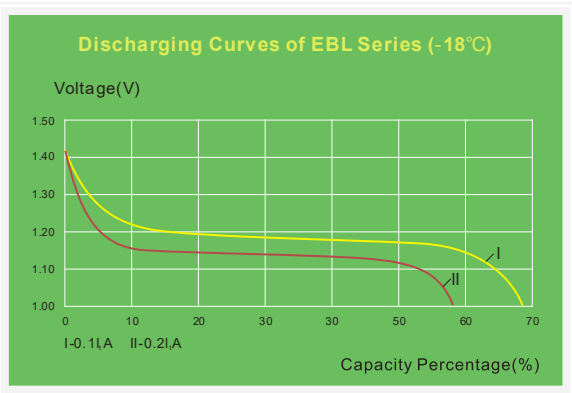
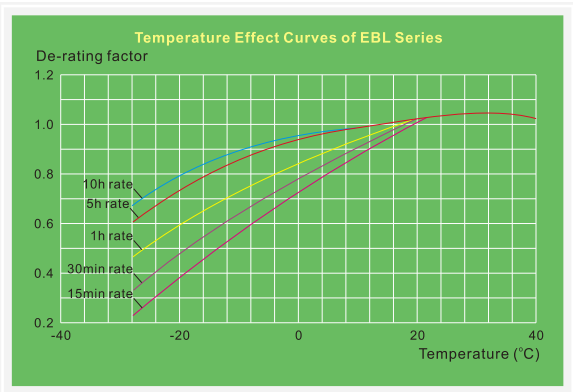
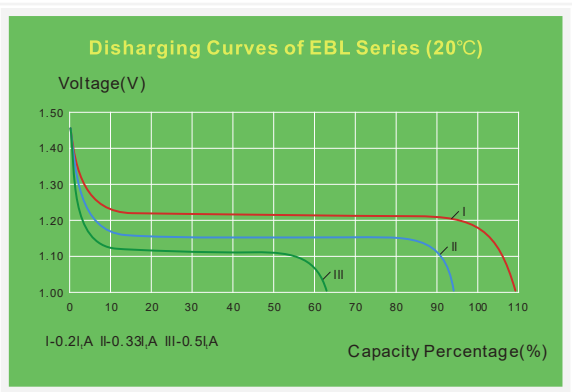
Dimensions

L:105/4.1 W:165/6.5 H:345/13.6
(mm/inch)



Technical Features

- ◆ Low discharge rate design, L type.
- ◆ Proven pocket-plate nickel-cadmium technology 30 years of experience in developing and manufacturing nickel-cadmium batteries.
- ◆ High tolerance to electrical abuses such as overcharge and over discharge.
- ◆ High tolerance to rough handling and mechanical abuse due to strong components and robust construction.
- ◆ Trouble-free long cycle life .
- ◆ No risk of sudden death due to the chemistry and the cell structure.
- ◆ Generous electrolyte reserve for long maintenance intervals.
- ◆ Clear (MBS) or translucent (PP) plastic cell case for easy electrolyte level inspection.
- ◆ Plastic grid spacers eliminate separator deterioration problem.
- ◆ Custom cell dimensions available.
- ◆ 20+ years service life in stationary applications.
- ◆ Conforms to IEC60623.



Constant Current Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)																	
Final VPC	10hr	8hr	5hr	3hr	2hr	1.5hr	1hr	45min	30min	20min	15min	10min	5min	1min	30s	5s	1s
1.14	12.9	15.7	23.6	34.1	43.1	49.5	58.4	64.1	74.2	81.9	87.3	98.4	115	148	161	200	223
1.10	13.0	16.1	24.9	38.6	51.2	60.4	73.5	79.4	92.8	103	106	119	143	180	201	252	283
1.05	13.1	16.5	26.0	41.2	57.0	68.9	85.0	95	112	129	139	152	177	219	243	312	343
1.00	13.2	16.6	26.2	42.0	60.4	74.3	96.8	108	131	151	161	173	200	252	274	355	394



EverExceed®
power your applications



EBL250

NICD POCKET PLATE RANGE

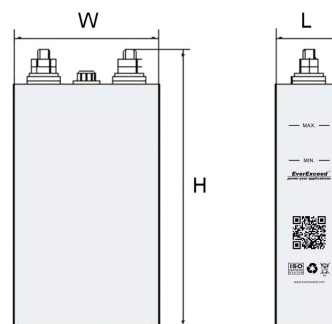
RELIABLE CAPACITIES
FOR INCREASED SECURITY

HIGH PERFORMANCE



Dimensions

L:165/6.5 W:167/6.6 H:345/13.6
(mm/inch)



Performance Specifications

Normal Voltage	1.2V
Capacity	250Ah @ 5 hr to 1.00V per cell @ 20°C(68°F)
Weight	With Electrolyte: 14.2kg/31.3lbs Without Electrolyte: 10.2kg/22.5lbs
Recommended Operating Temperature Range	-20°C to +60°C(-4°F to +140°F)
Short circuit current	2500Amps
Internal resistance	1.0milliohms
Cell Case Material	PP
Terminal	M20

Applications

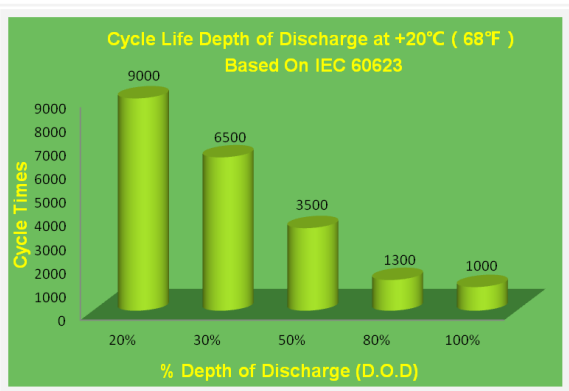
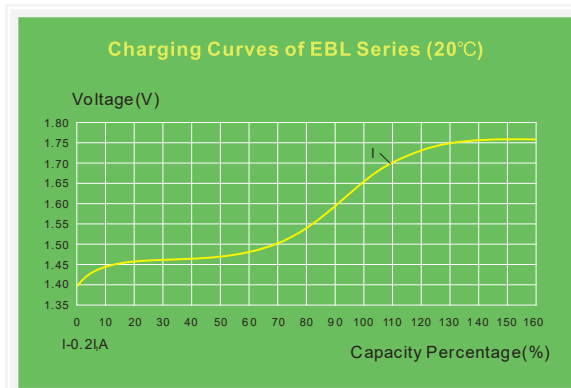
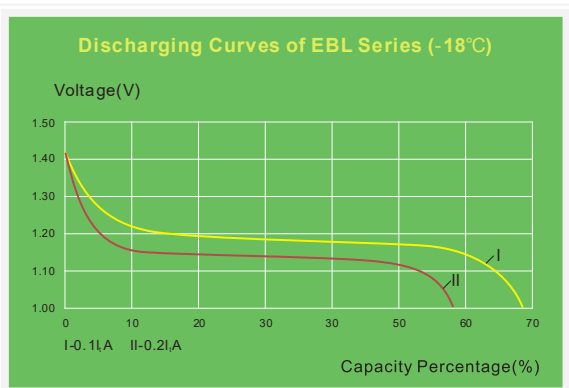
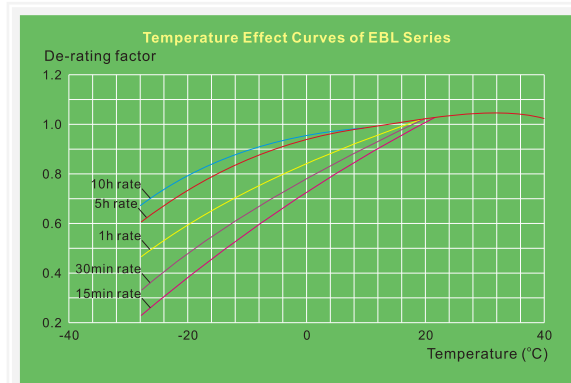
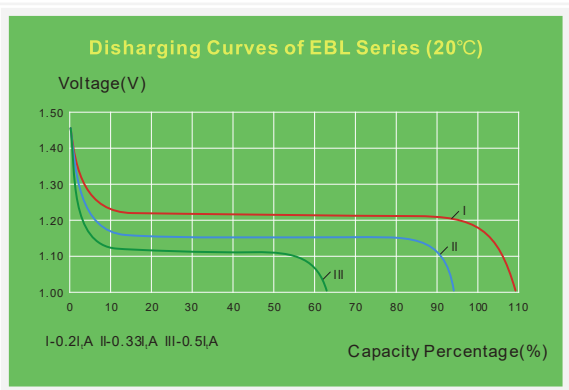
Power plant
Railway signaling
Emergency lighting
Telecommunications

Substation
Train
Control systems
Photovoltaic

Technical Features

- ◆ Low discharge rate design, L type.
- ◆ Proven pocket-plate nickel-cadmium technology 30 years of experience in developing and manufacturing nickel-cadmium batteries.
- ◆ High tolerance to electrical abuses such as overcharge and over discharge.
- ◆ High tolerance to rough handling and mechanical abuse due to strong components and robust construction.
- ◆ Trouble-free long cycle life .
- ◆ No risk of sudden death due to the chemistry and the cell structure.
- ◆ Generous electrolyte reserve for long maintenance intervals.
- ◆ Clear (MBS) or translucent (PP) plastic cell case for easy electrolyte level inspection.
- ◆ Plastic grid spacers eliminate separator deterioration problem.
- ◆ Custom cell dimensions available.
- ◆ 20+ years service life in stationary applications.
- ◆ Conforms to IEC60623.





Constant Current Discharge Characteristics - Amperes Per Cell @ 20°C (68°F)																	
Final VPC	10hr	8hr	5hr	3hr	2hr	1.5hr	1hr	45min	30min	20min	15min	10min	5min	1min	30s	5s	1s
1.14	24.8	30.3	45.5	65.7	82.9	95.5	112	123	143	158	168	189	221	284	312	387	429
1.10	25.3	31.2	48.5	72.4	96.4	111	137	148	169	184	204	230	245	325	353	431	472
1.05	25.8	32.0	50.0	78.3	108	129	160	179.7	210	236	247	278	340	391	428	524	569
1.00	26.0	32.2	50.5	80.8	114	139	181	202	247	283	306	332	371	450	489	598	644

