

Specification

Nominal Voltage	12V	
Nominal Capacity(10HR)	120.0AH	
Dimension	Length	410±3mm (16.14 inches)
	Width	177±2mm (6.97 inches)
	Container Height	225±3mm (8.86 inches)
	Total Height (with Terminal)	225±3mm (8.86 inches)
	Approx Weight	Approx 35,0 Kg(± % 3)
Terminal	T11	
Container Material	ABS	
Rated Capacity	123.4 Ah	(20hr,6.17A,1.80V/cell)
	120.0 Ah	(10hr,12.0A,1.80V/cell)
	107.0 Ah	(5hr,21.4A,1.75V/cell)
	97.5 Ah	(3hr,32.5A,1.75V/cell)
	75.0 Ah	(1hr,75.0A,1.60V/cell)
Max. Discharge Current	1300A (5s)	
Internal Resistance	Approx 4.0mΩ	
Operating Temp.Range	Discharge : -15~50°C (5~122°F)	
	Charge : 0~40°C (32~104°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 36.0A.Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	EO series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Applications

- ◆ UPS and EPS
- ◆ Emergency light
- ◆ Railway signal and aircraft signal system
- ◆ Marine and power stations Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply, DC power supply

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	234.7	166.9	150.8	118.6	106.1	77.5	65.7	47.6	40.0	29.4	23.0	20.0	17.6	13.6	11.2	5.96
1.80V/cell	266.9	189.4	170.9	134.1	115.5	82.1	68.1	49.2	41.3	31.9	24.6	21.0	18.9	14.3	12.0	6.17
1.75V/cell	289.9	205.4	185.1	144.8	117.8	85.1	71.4	51.8	43.5	32.5	25.1	21.4	19.1	14.3	12.1	6.24
1.70V/cell	309.9	219.0	196.5	153.5	120.2	86.8	72.8	52.8	44.4	33.1	25.5	21.8	19.2	14.6	12.2	6.30
1.67V/cell	320.8	226.0	202.3	157.7	122.0	88.1	73.9	53.6	45.0	33.4	25.9	22.2	19.3	14.8	12.3	6.38
1.60V/cell	332.1	233.7	208.6	161.8	123.7	89.3	75.0	54.3	45.7	33.7	26.2	22.5	19.4	14.9	12.4	6.45

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	438.3	313.9	285.6	225.6	202.7	149.0	127.1	92.4	77.9	57.4	45.2	39.4	34.8	26.9	22.3	11.9
1.80V/cell	490.3	351.2	319.5	252.4	218.9	156.8	130.9	95.0	80.0	62.0	48.1	41.2	37.2	28.2	23.4	12.3
1.75V/cell	523.3	374.8	341.0	269.4	221.7	161.5	136.7	99.4	83.9	63.0	48.8	41.8	37.4	28.3	23.6	12.4
1.70V/cell	550.1	394.0	358.5	283.2	224.2	163.6	138.7	101.0	85.2	64.0	49.5	42.4	37.5	28.7	23.8	12.5
1.67V/cell	559.1	400.4	364.3	287.8	225.8	165.1	140.0	101.9	86.1	64.3	50.1	43.1	37.6	29.0	24.0	12.6
1.60V/cell	566.9	406.0	369.4	291.8	226.8	165.9	141.0	102.7	86.8	64.6	50.4	43.5	37.7	29.3	24.3	12.8

Specifications subject to change without notice.

