



Power Cranking Battery

EPC12-110-1000 (12V 110AH)

Specification

Nominal Voltage	12V	
Nominal Capacity(10 hr)	110AH	
Dimension	Length	331±1mm(13.03 inches)
	Width	174±1mm(6.85 inches)
	Containeriner Height	214±1mm(8.43 inches)
	Total Height (With terminal)	235±1mm(9.25 inches)
	Approx Weight	Approx33.2 kgs (73.19lbs)
Terminal	DT	
Container Material	ABS	
Capacity @25 °C	117.70Ah/5.88A	(20hr, 1.80V/Cell, 25 °C/77°F)
	110.0Ah/11.0A	(10hr, 1.80V/Cell, 25 °C/77°F)
	93.3Ah/31.10A	(3hr, 1.75V/Cell, 25 °C/77°F)
	81.10Ah/81.0A	(1hr, 1.60V/Cell, 25 °C/77°F)



ELECTRICAL SPECIFICATIONS

Short Circuit Current	2181Amps
CCA-EN	1000mps
CA or MCA	1260Amps
Internal Resistance	4.0mΩ
PHCA	2200Amps

TEMPERATURE RANGE SPECIFICATIONS

Condition	Recommended	Maximum	Recommended	Maximum
Storage	5°F to 122°F	-40°F to 160°F	-15°C to 50°C	-40°C to 71°C
Operation	5°F to 104°F	-40°F to 160°F	-15°C to 40°C	-40°C to 71°C
Charge with TC	5°F to 122°F	-40°F to 160°F	-15°C to 50°C	-40°C to 71°C
Charge w/o TC	5°F to 104°F	5°F to 122°F	0°C to 40°C	-15°C to 50°C

TC=Temperature Compensation

Discharge Table

Time	Amps	Rate
20hr	5.88	0.05CA
10hr	11.00	0.10CA
3hr	31.10	0.33CA
1hr	81.10	1.0CA

CHARGE VOLTAGES

Battery Voltages

Charge Stage	12V	24V	36V	48V
Bulk	14.4-14.7V	28.8-29.4V	43.2-44.1V	57.6-58.8V
Absorption	14.4-14.7V	28.8-29.4V	43.2-44.1V	57.6-58.8V
Float	13.6V	27.2V	40.8V	54.6V

TC Factor: (-2mV°F/cell) or (-4mV°F/cell)

Discharge Constant Power per Cell(Watts at 25 °C)

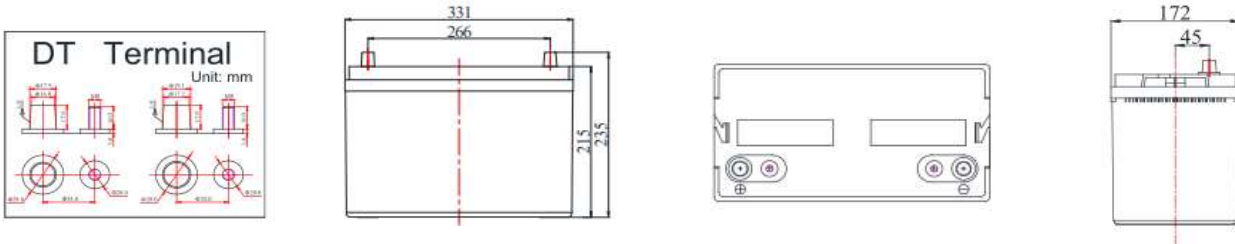
F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	120min	180min	600min
1.60V	721.4	548.6	435.0	362.8	311.6	273.8	205.2	160.1	121.4	93.0	71.5	24.20
1.67V	696.8	529.5	420.0	350.2	301.0	264.5	198.5	154.6	117.2	89.8	69.1	23.93
1.70V	673.9	511.7	405.0	337.5	290.9	255.5	191.4	149.3	113.1	86.8	66.8	23.65
1.75V	653.6	494.1	393.0	327.2	280.7	247.5	185.5	144.7	109.6	84.1	64.7	23.38
1.80V	616.2	468.3	371.7	310.4	265.5	233.1	176.8	137.0	103.5	79.4	61.1	23.10

Discharge Constant Current per Cell (Amperes at 25 °C)

F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	120min	180min	600min
1.60V	395.2	295.2	232.0	191.1	162.2	141.2	104.9	81.0	60.9	46.5	35.5	11.89
1.67V	375.1	282.2	221.5	182.9	155.1	135.0	100.4	77.3	58.3	44.6	33.8	11.66
1.70V	356.5	270.1	211.5	173.9	148.7	129.1	95.7	74.0	55.8	42.6	32.4	11.44
1.75V	341.4	257.6	202.8	167.3	141.7	123.8	91.9	70.8	53.5	40.8	31.1	11.22
1.80V	318.6	241.7	190.0	157.1	132.5	115.4	86.8	66.6	50.1	38.2	29.1	11.00

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Dimensions



Performance Characteristics

