EPC12-110-1100 (12V 110AH)

Power Cranking Battery

Specification

Nominal Voltage	12V	
Nominal Capacity(20 hr)	110AH	
Dimension	Length	328±1mm(12.91 inches)
	Width	172±1mm(6.77 inches)
	Containeriner Height	215±1mm(8.46 inches)
	Total Height (With terminal)	235±1mm(9.25 inches)
Approx Weight	Approx32.7 kgs (72.09lbs)	
Terminal	DT	
Container Material	ABS	
Capacity @25 ℃	110.0Ah/5.50A	(20hr, 1.80V/Cell, 25 ℃/77°F)
	100.1Ah/10.01A	(10hr, 1.80V/Cell, 25 ℃/77°F)
	77.10Ah/25.70A	(3hr, 1.75V/Cell, 25 ℃/77°F)
	61.20Ah/61.20A	(1hr, 1.60V/Cell, 25 ℃/77°F)



ELECTRICAL SPECIFICATIONS

Short Circuit Current	2181Amps
CCA-EN	1100Amps
CA or MCA	1360Amps
Internal Resistance	5.5mΩ
PHCA	2200Amps

Discharge Table

Time	Amps	Rate
20hr	5.50	0.05CA
10hr	10.01	0.10CA
3hr	25.70	0.33CA
1hr	61.20	1.0CA

TEMPERATURE RANGE SPECIFICATIONS

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

TC=Temperature Compensation

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℉/cell) or (-4mV℉/cell)

Discharge Constant Power per Cell(Watts at 25 ℃)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	272.5	174.0	127.9	117.4	74.6	52.4	35.6	23.4	21.0	11.4	2.54
1.67V	267.5	170.8	125.5	115.3	73.3	51.5	35.0	23.1	20.6	11.1	2.49
1.70V	262.6	167.6	123.2	113.1	71.9	50.5	34.3	22.7	20.2	11.1	2.44
1.75V	257.6	164.5	120.9	111.0	70.5	49.5	33.7	22.2	19.8	10.9	2.40
1.80V	247.7	158.2	116.3	106.7	67.9	47.6	32.5	21.3	19.0	10.6	2.35

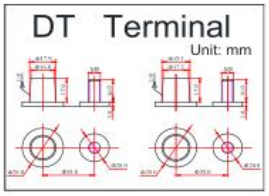
Discharge Constant Current per Cell (Amperes at 25 ℃)

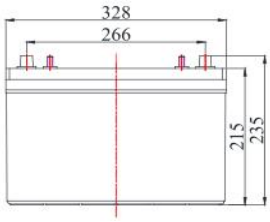
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	141.6	90.4	66.4	61.2	38.8	27.3	18.5	12.2	10.89	5.83	1.32
1.67V	139.0	88.8	65.2	60.0	38.1	26.7	18.2	12.0	10.67	5.72	1.30
1.70V	136.4	87.1	64.0	58.9	37.4	26.3	17.8	11.8	10.45	5.61	1.27
1.75V	133.9	85.5	62.8	57.8	36.6	25.7	17.5	11.6	10.34	5.50	1.24
1.80V	128.7	82.2	60.4	55.6	35.2	24.8	16.8	11.1	10.01	5.45	1.22

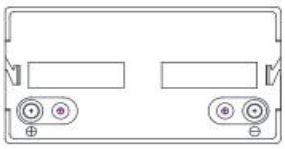
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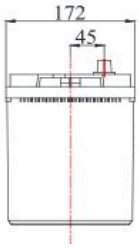
Power Cranking Battery

Dimensions









Performance Characteristics

