

EPC12-22-230 (12V 22AH)

Specification

Nominal Voltage	12V	
Nominal Capacity(20 hr)	22AH	
Dimension	Length	181±1mm(7.13 inches)
	Width	77±1mm(3.03 inches)
	Containeriner Height	167±1mm(6.57 inches)
	Total Height (With terminal)	167±1mm(6.57 inches)
Approx Weight	Approx 6.30 kgs (13.89lbs)	
Terminal	M5	
Container Material	ABS	
Capacity @25 °C	22.0Ah/1.05A	(20hr, 1.80V/Cell, 25 °C/77°F)
	20.0Ah/2.0A	(10hr, 1.80V/Cell, 25 °C/77°F)
	17.7Ah/5.9A	(3hr, 1.75V/Cell, 25 °C/77°F)
	14.6Ah/9.6A	(1hr, 1.60V/Cell, 25 °C/77°F)



ELECTRICAL SPECIFICATIONS

Short Circuit Current	1090Amps
CCA-EN	230Amps
CA or MCA	310Amps
Internal Resistance	11.0mΩ
PHCA	680Amps

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	1.07	0.05CA
10hr	2.00	0.10CA
3hr	5.90	0.33CA
1hr	9.60	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)

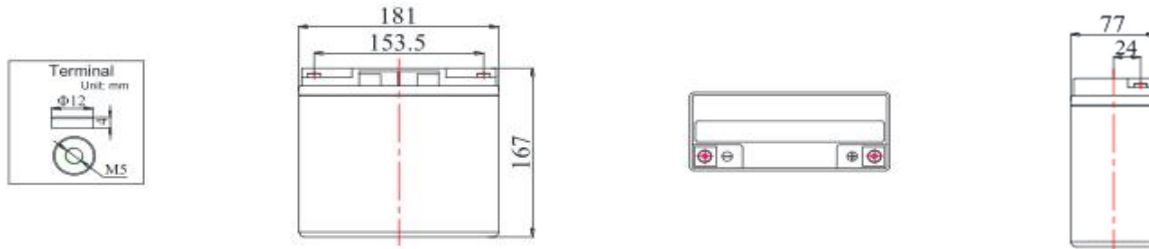
F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	120min	180min	600min
1.60V	145.3	112.2	86.5	71.7	60.9	54.3	36.2	33.4	20.9	15.8	11.6	4.52
1.67V	142.6	110.2	85.0	70.7	59.8	53.3	35.4	32.9	20.5	15.7	11.4	4.42
1.70V	140.0	108.1	83.3	69.5	58.6	52.5	34.9	32.1	20.1	15.3	11.0	4.38
1.75V	137.3	106.1	81.8	67.3	57.5	51.4	34.1	31.6	19.8	14.9	10.8	4.28
1.80V	132.1	102.0	78.7	64.4	55.3	49.4	32.8	30.4	19.0	14.4	10.4	4.12

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	74.5	57.2	43.8	36.2	31.0	26.8	20.0	14.6	11.1	8.9	6.2	2.22
1.67V	73.1	56.1	43.0	35.7	30.4	26.3	19.6	14.4	10.9	8.7	6.1	2.16
1.70V	71.8	55.0	42.2	35.1	29.9	25.8	19.3	14.1	10.6	8.5	6.0	2.16
1.75V	70.4	54.0	41.4	33.9	29.3	25.3	18.9	13.8	10.5	8.4	5.9	2.11
1.80V	67.7	52.0	39.8	32.5	28.2	24.3	18.2	13.3	10.1	8.0	5.6	2.00

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Dimensions



Performance Characteristics

