

EPC12-225-1450 (12V 225AH)

Specification

Nominal Voltage	12V	
Nominal Capacity(20 hr)	225AH	
Dimension	Length	520±1mm(20.47 inches)
	Width	268±1mm(10.55 inches)
	Containeriner Height	204±1mm(8.03 inches)
	Total Height (With terminal)	208±1mm(8.19 inches)
Approx Weight	Approx70.0 kgs (154.32lbs)	
Terminal	M8	
Container Material	ABS	
Capacity @25 °C	225.0Ah/11.25A	(20hr, 1.80V/Cell, 25 °C/77°F)
	220.0Ah/22.0A	(10hr, 1.80V/Cell, 25 °C/77°F)
	186.6Ah/62.2A	(3hr, 1.75V/Cell, 25 °C/77°F)
	162.0Ah/162.0A	(1hr, 1.60V/Cell, 25 °C/77°F)



ELECTRICAL SPECIFICATIONS

Short Circuit Current	5217Amps
CCA-EN	1450Amps
CA or MCA	1950Amps
Internal Resistance	2.3mΩ
PHCA	2400Amps

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	11.25	0.05CA
10hr	22.00	0.10CA
3hr	62.20	0.33CA
1hr	162.00	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)

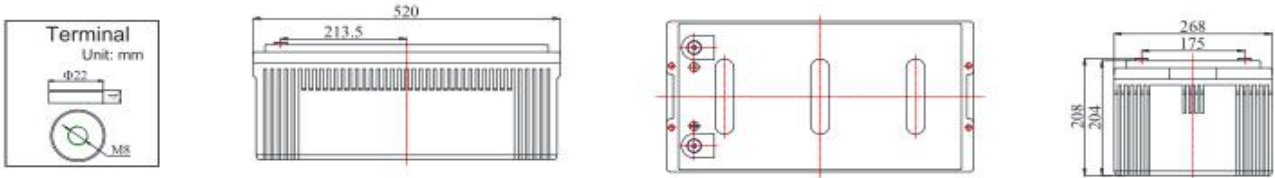
F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	120min	180min	600min
1.60V	1374.1	1045.0	828.5	691.1	593.6	521.6	390.9	304.9	231.2	177.1	136.1	48.40
1.67V	1327.3	1008.7	800.0	667.1	573.4	503.7	378.1	294.4	223.2	171.1	131.7	47.85
1.70V	1283.6	974.7	771.5	642.9	554.0	486.7	364.5	284.5	215.5	165.4	127.3	47.30
1.75V	1244.9	941.1	748.5	623.2	534.6	471.5	353.3	275.6	208.8	160.1	123.2	46.75
1.80V	1173.8	892.0	708.0	591.2	505.8	444.0	336.8	261.0	197.1	151.1	116.4	46.20

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	790.5	590.5	463.9	382.2	324.4	282.4	209.8	162.0	121.8	93.0	70.9	23.79
1.67V	750.2	564.4	443.0	365.8	310.2	270.1	200.8	154.6	116.6	89.1	67.6	23.32
1.70V	713.0	540.2	423.0	347.7	297.5	258.2	191.4	148.0	111.7	85.3	64.9	22.88
1.75V	682.7	515.2	405.6	334.7	283.3	247.5	183.7	141.6	107.0	81.7	62.2	22.44
1.80V	637.2	483.5	380.1	314.1	265.0	230.7	173.5	133.1	100.2	76.3	58.2	22.00

EPC12-225-1450 (12V 225AH)

Dimensions



Performance Characteristics

