

EURO PLUS - EMF 80

12V-80AH - AGM MONOBLOCK VRLA BATTERY

Applications:

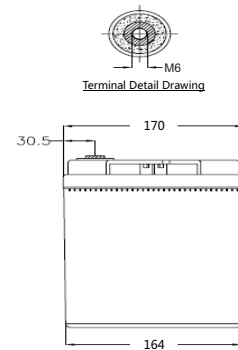
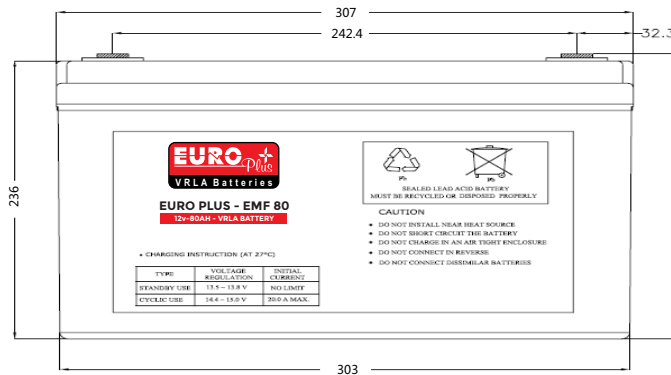
- UPS
- Data Centers
- Emergency Lighting
- Security Systems
- Medical Instruments

Features:

- Suitable for High Rate Discharge
- Self Regulating pressure valve
- Flame retardant ABS/PP case
- Product Performance Complies with JIS 8702 C
- Design life 8 Years

Cells Per Unit	6
Voltage Per Unit	12
Capacity	80Ah @ C ₂₀ upto 1.75ECV @27°C
Weight	23 Kgs
Maximum Discharge Current(1 min 1.60 ECV)	240AMP
Operating Temperature Range	-5°C~+40°C
Nominal Operating Temperature	27°C
Float Charging Voltage	13.5 to 13.8 V
Recommended Maximum Charging Current Limit	20 AMP
Equalization and Cycle Service	14.4 to 15 V
Self Discharge	Batteries can be stored for more than 6 months @ 27°C Please charge batteries before using. For higher temperatures the time interval will be shorter
Construction	Plate Type: Flat Pasted Seperator: AGM Electrolyte: Immobilised H ₂ SO ₄
Terminal	M6
Container & Cover Material	ABS

Dimensions :	Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
Battery	307	170	240


Constant Current Discharge Characteristics : (Amps @ 27°C)

FV	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	7HR	8HR	9HR	10HR	12HR	20HR
1.60V	237.6	173.7	136.9	78.4	48.4	27.1	20.0	16.1	13.7	11.8	10.5	9.4	8.6	8.0	6.7	4.2
1.65V	224.9	165.1	128.7	76.0	47.8	26.5	19.4	15.7	13.5	11.6	10.3	9.3	8.5	7.9	6.6	4.2
1.70V	215.9	156.3	124.6	72.8	47.1	26.1	19.0	15.4	13.3	11.5	10.2	9.2	8.5	7.9	6.6	4.1
1.75V	199.5	147.7	121.2	71.0	46.5	25.6	18.6	15.1	13.1	11.2	10.0	9.0	8.2	7.6	6.5	4.1
1.80V	183.2	134.3	109.6	67.8	44.4	24.6	18.2	14.8	12.7	11.0	9.7	8.8	8.0	7.5	6.3	4.0

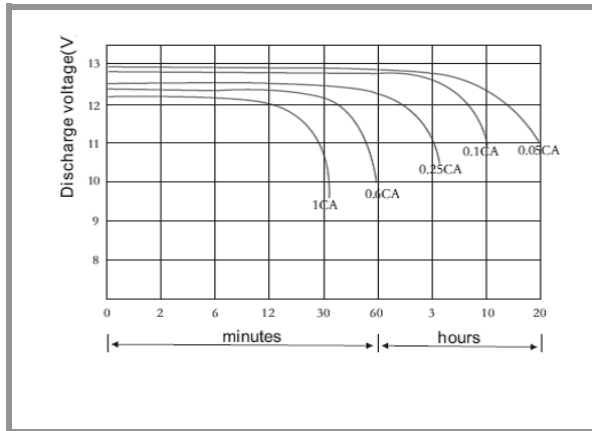
Constant Power Discharge Characteristics : (Watts / Cell @ 27°C)

FV	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	7HR	8HR	9HR	10HR	12HR	20HR
1.60V	468.7	330.5	263.3	173.5	103.8	58.3	43.0	33.6	28.0	24.1	21.5	19.0	17.3	16.3	13.8	8.9
1.65V	435.1	304.4	239.0	154.8	95.6	54.3	40.5	31.7	26.3	22.8	20.4	18.5	17.0	15.9	13.5	8.7
1.70V	401.5	289.4	231.6	150.0	93.9	52.8	39.0	30.8	26.0	22.6	20.2	18.3	16.9	15.7	13.4	8.6
1.75V	369.7	276.4	224.1	145.1	92.4	51.9	38.5	30.4	25.6	22.2	19.8	17.9	16.5	15.3	13.0	8.4
1.80V	347.3	261.4	216.6	140.1	90.8	51.0	37.7	30.1	25.4	21.8	19.4	17.6	16.2	15.0	12.8	8.2

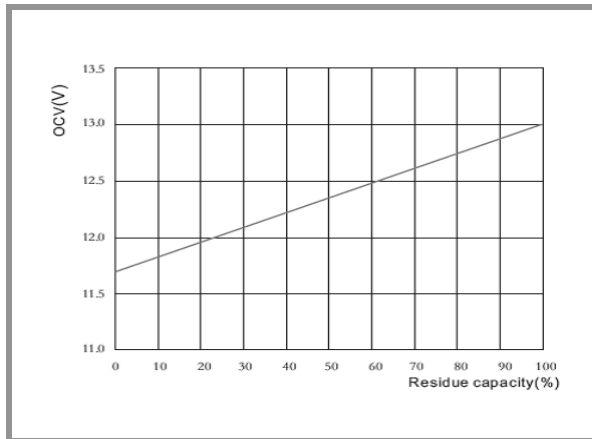
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PERFORMANCE CHARACTERISTICS

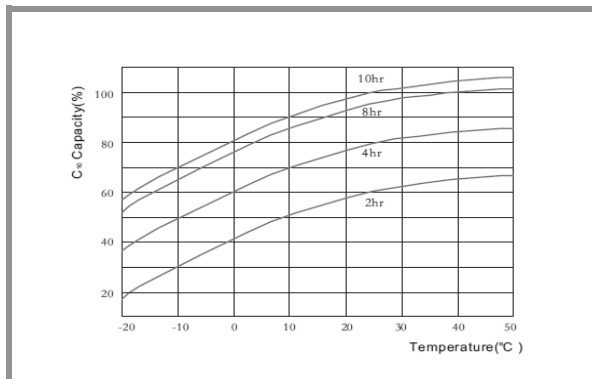
Discharge Curve



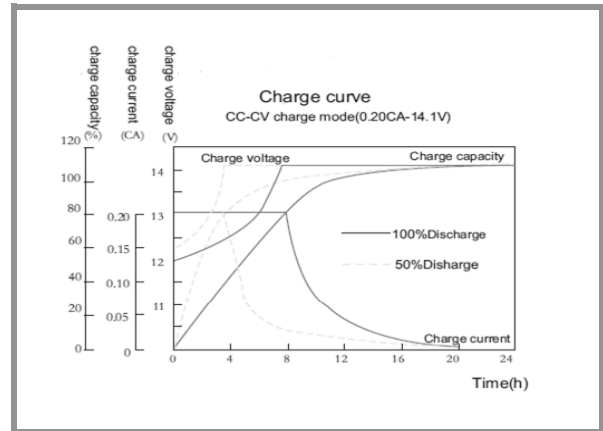
Ocv vs. State Of charge



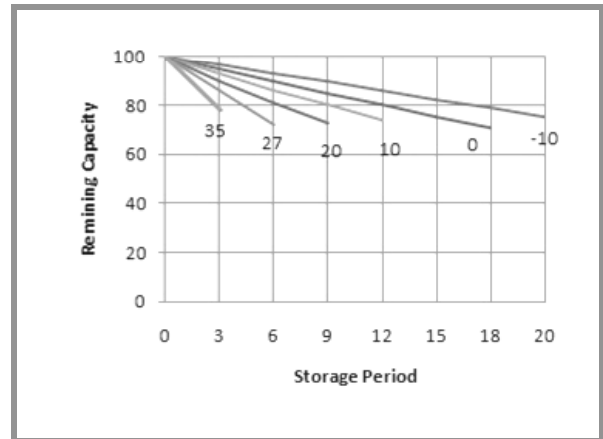
Temperature Vs. Capacity Curve



Charge Curve



Residual Capacity Vs. Storage time



Temperature Vs. design Life Curve

