

EURO PLUS - EMF 150

12V-150AH - AGM MONOBLOCK VRLA BATTERY

Applications:

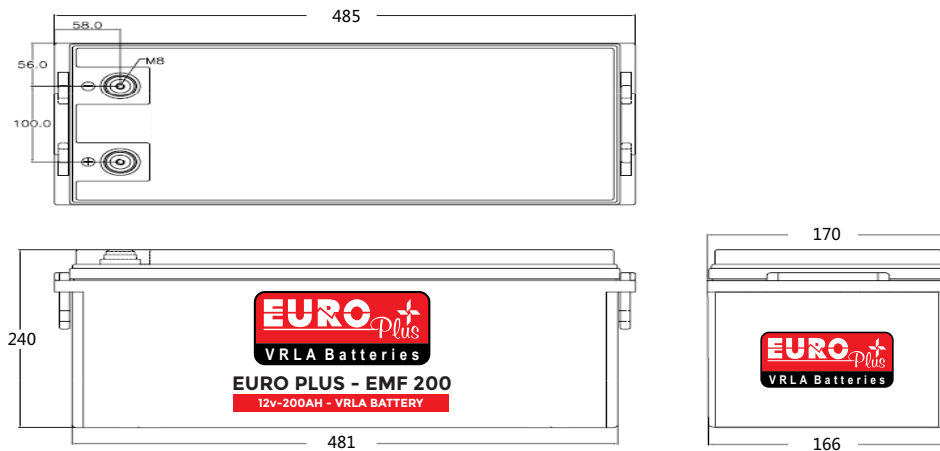
- UPS
- Data Centers
- Emergency Lighting
- Security Systems
- Medical Instruments

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	150Ah @ C ₂₀ upto 1.75ECV @27°C
Weight	44 Kgs
Maximum Discharge Current(1 min 1.60 ECV)	450AMP
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	37.5 AMP
Equalization and Cycle Service	14.4 to 15 V
Self Discharge	Batteries can be stored for more than 6 months at 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	M8
Container & Cover Material	PPFR

Dimensions :	Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
Battery	485	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	445.6	325.6	256.7	147.1	90.7	50.8	37.5	30.1	25.8	22.2	19.6	17.7	16.2	15.0	12.6	7.9
1.65V	421.8	309.5	241.2	142.5	89.6	49.7	36.4	29.5	25.4	21.8	19.3	17.4	16.0	14.8	12.4	7.8
1.70V	404.8	293.1	233.5	136.6	88.2	49.0	35.7	29.0	24.9	21.5	19.1	17.3	15.9	14.7	12.3	7.7
1.75V	374.1	277.0	227.2	133.1	87.2	48.0	34.8	28.4	24.5	21.1	18.7	16.8	15.4	14.3	12.2	7.6
1.80V	343.5	251.8	205.5	127.1	83.3	46.2	34.0	27.7	23.8	20.6	18.2	16.5	15.1	14.0	11.9	7.5

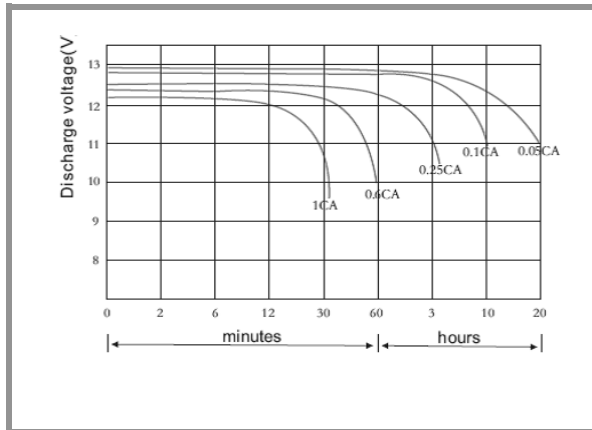
Constant Power Discharge Characteristics : (Watts / Cell @ 27°C)

FV	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	7HR	8HR	9HR	10HR	12HR	20HR
1.60V	878.9	619.7	493.7	325.3	194.7	109.2	80.5	63.0	52.5	45.2	40.3	35.7	32.5	30.5	25.8	16.7
1.65V	815.8	570.7	448.2	290.3	179.3	101.9	76.0	59.5	49.4	42.7	38.2	34.7	31.9	29.8	25.4	16.4
1.70V	752.8	542.7	434.2	281.2	176.1	99.1	73.2	57.8	48.7	42.4	37.8	34.3	31.6	29.5	25.1	16.2
1.75V	693.3	518.2	420.2	272.1	173.3	97.3	72.1	57.1	48.0	41.7	37.1	33.5	30.9	28.7	24.4	15.8
1.80V	651.3	490.2	406.2	262.6	170.2	95.6	70.7	56.4	47.6	41.0	36.4	33.0	30.3	28.2	23.9	15.5

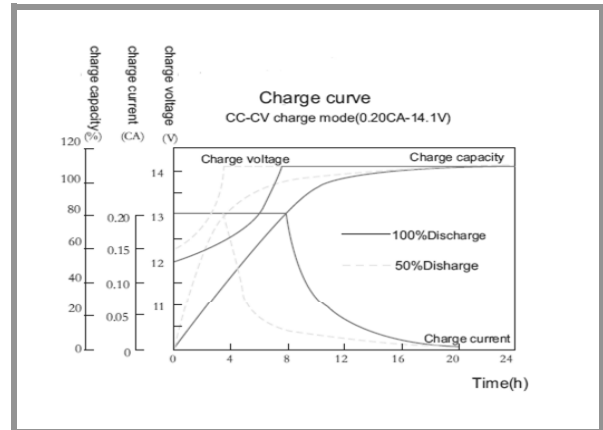
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PERFORMANCE CHARACTERISTICS

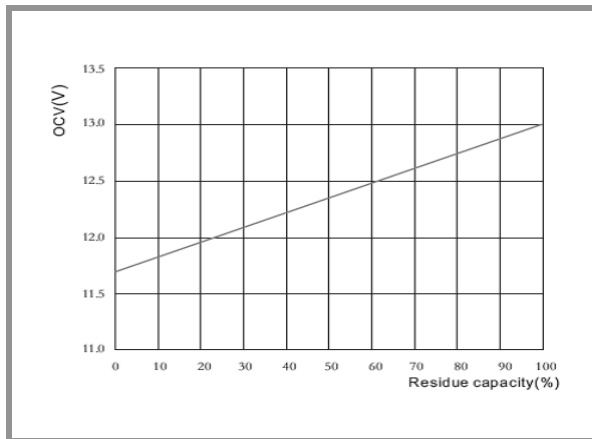
Discharge Curve



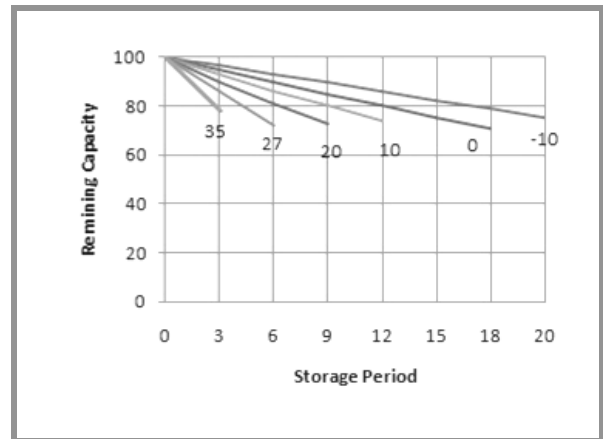
Charge Curve



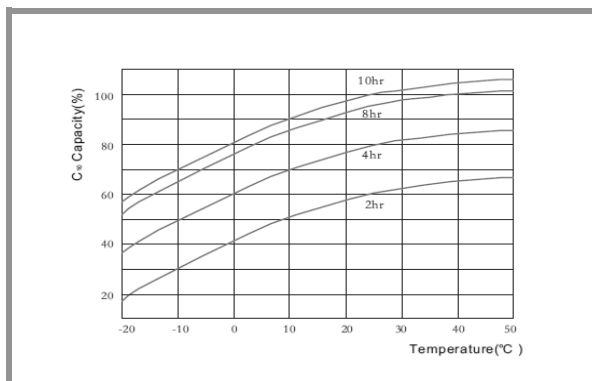
Ocv vs. State Of charge



Residual Capacity Vs. Storage time



Temperature Vs. Capacity Curve



Temperature Vs. design Life Curve

