

EURO PLUS - EMF 200

12V-200AH - AGM MONOBLOCK VRLA BATTERY

Applications:

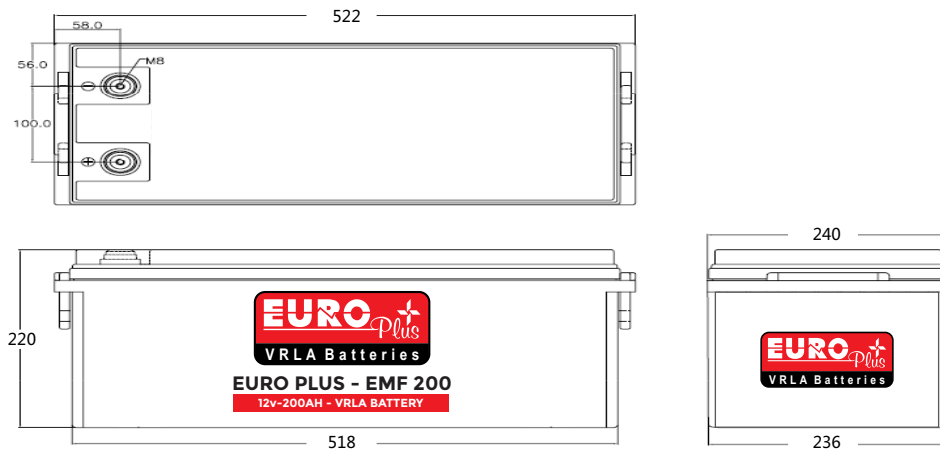
- UPS
- Data Centers
- Emergency Lighting
- Security Systems
- Medical Instruments

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	200Ah @ C ₂₀ upto 1.75ECV @27°C
Weight	62 Kgs
Maximum Discharge Current(1 min 1.60 ECV)	600A
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	50AMP
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	M8
Container & Cover Material	PPFR

Dimensions :	Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
Battery	522	240	220


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	594.1	434.2	342.2	196.1	120.9	67.7	50.0	40.1	34.4	29.6	26.1	23.6	21.6	20.0	16.9	10.5
1.65V	562.4	412.7	321.7	190.0	119.5	66.3	48.6	39.4	33.8	29.1	25.7	23.2	21.3	19.7	16.6	10.4
1.70V	539.7	390.8	311.4	182.1	117.6	65.4	47.6	38.6	33.2	28.7	25.4	23.0	21.1	19.7	16.4	10.3
1.75V	498.9	369.3	303.0	177.4	116.2	64.0	46.5	37.9	32.7	28.1	24.9	22.5	20.5	19.0	16.2	10.2
1.80V	458.0	335.7	274.0	169.5	111.1	61.6	45.4	36.9	31.7	27.4	24.3	21.9	20.1	18.7	15.9	10.0

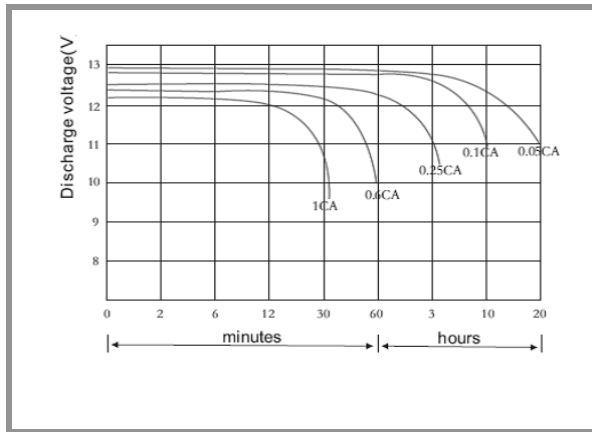
Constant Power Discharge Characteristics : (Watts / Cell @ 27°C)

FV	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	7HR	8HR	9HR	10HR	12HR	20HR
1.60V	1171.8	826.3	658.3	433.7	259.6	145.7	107.4	84.0	70.0	60.2	53.7	47.6	43.4	40.7	34.5	22.2
1.65V	1087.8	761.0	597.6	387.0	239.0	135.9	101.3	79.4	65.8	57.0	50.9	46.2	42.6	39.7	33.8	21.8
1.70V	1003.7	723.6	578.9	374.9	234.8	132.1	97.0	79.0	64.9	56.5	50.4	45.7	42.0			
1.75V	924.4	690.9	560.2	362.7	231.1	129.8	96.2	76.1	64.0	55.6	49.5	44.7	41.2	38.3	32.6	21.1
1.80V	868.3	653.6	541.5	350.1	226.9	127.5	94.3	75.2	63.5	54.6	48.6	44.0	40.4	37.5	31.9	20.6

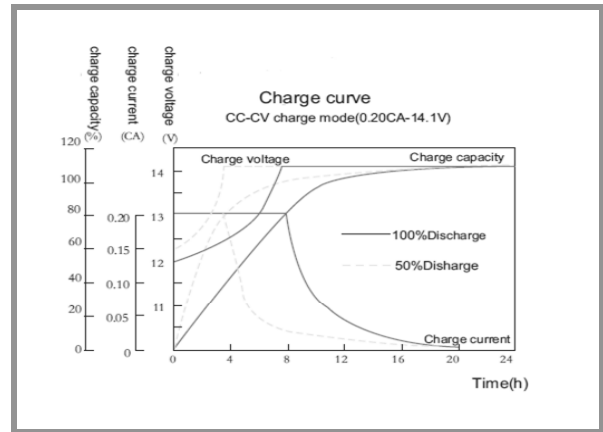
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PERFORMANCE CHARACTERISTICS

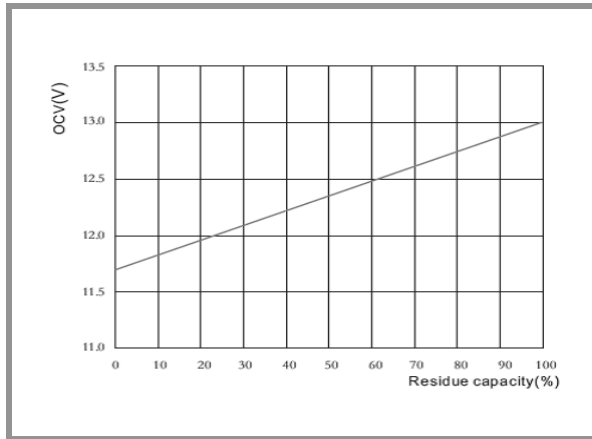
Discharge Curve



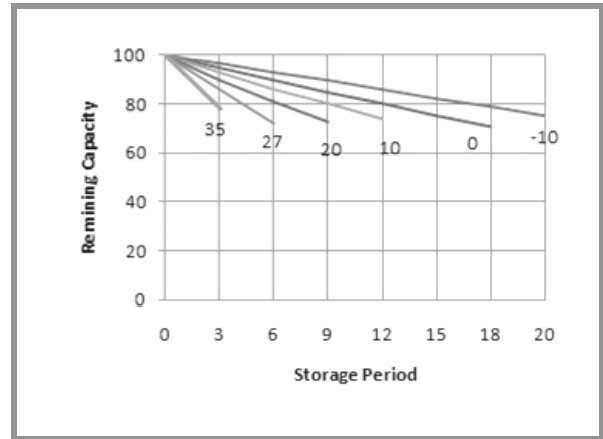
Charge Curve



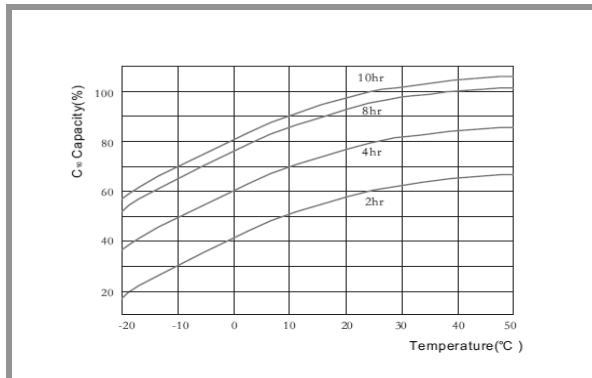
Ocv vs. State Of charge



Residual Capacity Vs. Storage time



Temperature Vs. Capacity Curve



Temperature Vs. design Life Curve

