



MAX UNION



SEALED LEAD ACID (AGM) BATTERY

MODEL: EV 24-100F

TECHNICAL DATA SHEET

Capacity 110 AH at 20 hr Discharge Rate

Discharge Capacity in Ah

Temperature in 20-25°C

End of discharge voltage per cell	15°	20°	25°	30°	35°	40°	45°	1hr	90°	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	12hr	20hr	24hr
1.80 V	40.5	46.3	49.8	52.4	54.3	56.0	57.5	61.6	58.2	72.8	80.2	86.0	90.8	94.4	96.9	98.7	101	104	110	112
1.75 V	43.4	48.7	51.8	54.2	56.1	54.8	59.3	63.4	74.5	74.5	81.6	87.4	92.3	96.0	98.6	101	103	105	112	114
1.70 V	45.1	49.9	52.9	55.4	57.2	58.7	60.1	64.3	75.2	75.2	82.5	88.2	93.1	96.9	100	102	104	106	113	115
1.65 V	46.3	50.8	53.8	56.2	57.9	59.5	60.8	64.9	75.9	75.9	83.2	88.9	93.8	97.6	100	102	105	107	114	116
1.60 V	47.4	51.6	54.3	56.8	58.4	60.0	61.3	65.6	76.5	76.5	83.7	89.4	-	-	-	-	-	-	0	-

Discharge Capacity in A.

Temperature in 20-25°C

End of discharge voltage per cell	15°	20°	25°	30°	35°	40°	45°	1hr	90°	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	12hr	20hr	24hr
1.80 V	162	139	119	105	92.7	84.0	76.7	61.6	45.4	36.4	26.7	21.5	18.2	15.7	13.8	10.1	10.1	8.63	110	112
1.75 V	173	145	124	108	95.7	86.7	79.0	63.4	46.7	37.3	27.2	21.9	18.5	16.0	14.1	10.3	10.3	8.78	112	114
1.70 V	180	150	127	111	97.5	88.1	80.1	64.3	47.1	37.6	27.5	22.1	18.6	16.2	14.3	10.4	10.4	8.87	113	115
1.65 V	185	153	129	112	98.9	89.2	81.1	64.9	47.6	38.0	27.7	22.2	18.8	16.3	14.3	10.5	10.5	8.94	114	116

Battery Dimension & Wight

Dimension (mm & approx Weight (Kg))			Terminal Layout
Length	Width	Height	
530mm	240mm	235mm	M8

Capacity Temperature Correction Factor

To be applied to date at 20°C

Discharge Time	-30°C	-20°C	-10°C	0°C	5°C	10°C	15°C	20-25°C	30°C	35°C	40°C	50°C
5 Minutes to 59 minutes	24%	36%	45%	68%	77%	83%	92%	100%	105%	107%	108%	110%
1 Hour to 100 Hours	28%	41%	58%	73%	79%	86%	94%	100%	104%	106%	107%	108%