



MP 40-12

Valve Regulated Sealed Lead-Acid Battery



■ Specifications

Nominal Voltage		12 V
Rated Capacity (20 hours rate)		40Ah
Dimensions (± 2mm)	Total Height (with terminals)	170mm
	Length	191mm
	Width	158mm
	Height	164mm
Approx. Weight		15kg
Terminal	Standard	F1
	Optional	F2

■ Characteristics

Capacity (25°C)	10 hour rate	(3.07A)	30.7AH
	5 hour rate	(5.62A)	28.1AH
	1 hour rate	(19.8A)	19.8AH
	15 min rate	(57.76A)	14.44AH
Internal Resistance	Fully charged Battery 25°C		Approx. 9m
Capacity affected by temperature (20 hour rate)	40°C		102%
	25°C		100%
	0°C		85%
	-15°C		65%
Self Discharge (25°C)	Capacity after 3 months storage		91%
	Capacity after 6 months storage		82%
	Capacity after 12 months storage		64%
Charge Method (Constant Voltage)	Cycle use	Initial Current	9.90A or smaller
		Control Voltage	14.4 to 15.0V (25°C)
	Standby use	Initial Current	9.90A or smaller
		Control Voltage	13.5 to 13.8V (25°C)

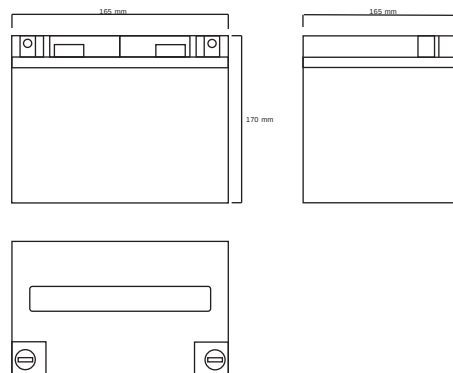
■ Constant wattage discharge (Watts/battery@25°C)

EV/CELL	5min	10min	30min	1H	3H	5H	8H	10H	20H
1.85V	923.0	727.3	384.0	246.1	113.0	74.2	50.5	42.2	22.1
1.80V	1132.7	829.3	422.1	256.6	113.4	75.6	50.8	42.4	22.3
1.75V	1200.0	850.9	441.4	269.0	121.8	77.1	52.5	48.0	23.6
1.70V	1283.3	888.4	453.0	280.0	121.6	79.6	53.9	48.7	23.6
1.60V	1406.3	957.5	468.8	281.3	122.3	81.4	54.0	49.2	24.0

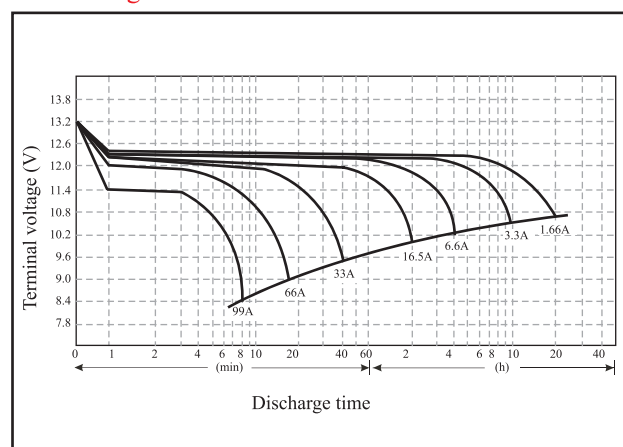
* The above data are average and obtained within three charge/discharge cycles. Cycles not the minimum values.

N.V. BATTERY LTD., PART.

Dimensions (mm)



■ Discharge Characteristics



■ Discharge current & Duration Time

