



ES40-12

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (2.25A to 10.50V)	45Ah
10 hour rate (4.5A to 10.50V)	42.75Ah
5 hour rate (7.65A to 10.20V)	38.25Ah
1C (45A to 9.60V)	20.25Ah
3C (135A to 9.60V)	15.75Ah

Weight Approx. 31.04Lbs. (14.11kg)

Internal Resistance (at 1KHz) 5 mΩ

Maximum Discharge Current for 30 seconds : 900A

Maximum Discharge Current for 5 seconds : 1800A

Operating Temperature Range

Charge	0°C (32°F) to 40°C (104°F)
Discharge	-15°C (5°F) to 50°C (122°F)
Storage	-15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 months	90%
6 months	80%

Charging Methods at 20°C (68°F)

Cycle Use : Charging Voltage 14.4 to 15.0V
Maximum Charging Current : 13.5A

Standby Use : Float Charging Voltage 13.50 to 13.80V

Life expectancy :

Cycle Use : 100% depth of discharge 200 cycles
80% depth of discharge 225 cycles
50% depth of discharge 500 cycles

Standby Use : 3-5 years

Case Material :

ABS
(Option : 94-HB & 94V-0 Flame Retardant Case Material)

Terminal :

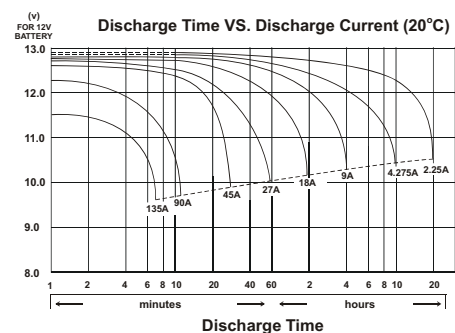
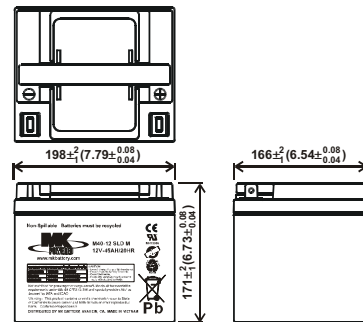
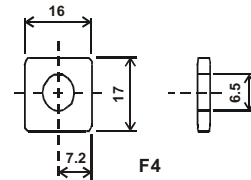
F4

Maintenance-Free Rechargeable Sealed Lead-Acid Battery



DIMENSIONS

mm(inch)



MK Battery

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