

EMERGENCY BATTERY

B/12-24

Description

Maintenance-free rechargeable lead-acid battery.

Layout



SPECIFICATIONS

Nominal voltage (V)	12
20-hr rate Capacity to 10.5V at 20°C (Ah)	24
10-hr rate Capacity to 10.8V at 20°C (Ah)	22.3

DIMENSIONS AND MATERIALS

Length (mm)	166 (±1)
Width (mm)	175 (±1)
Height over terminals (mm)	125 (±2)
Mass (kg)	9
Terminal type Female	M5 (F)
Nut (Nm)	2.45
Material	Standard ABS (UL94:HB)

OPERATING TEMPERATURE RANGE

Storage (in fully charged condition)	-20°C to +60°C
Charge	-15°C to +50°C
Discharge	-20°C to +60°C

CHARGE VOLTAGE

Float charge voltage at 20°C (V)/Block	13.65 (±1%)
Float charge voltage at 20°C (V)/Cell	2.275 (±1%)
Float Chg voltage tmp correction factor from std20°C (mV)	-3
Cyclic (or Boost) charge Voltage at 20°C (V)/Block	14.5 (±3%)
Cyclic (or Boost) charge Voltage at 20°C (V)/Cell	2.42 (±3%)
Cyclic Chg voltage tmp correction factor from std20°C (mV)	-4
Charge Current	
Float charge current limit (A)	No limit
Cyclic (or Boost) charge current limit (A)	6
Maximum Discharge Current	
1 second (A)	500
1 minute (A)	150
Impedance	
Measured at 1 kHz (mΩ)	11

APPROVALS

EUROBAT Classification: Standard Commercial	3 to 5 years
Yuasa design life at 20°C (yrs)	up to 5
VdS (Germany)	VdS No: G 182026