



Specification

| | | |
|-------------------------------|-------------------------------|--------------|
| Nominal Voltage | | 12V |
| Rated Capacity (20 hour rate) | | 42Ah |
| Dimensions | Total Height (with terminals) | 175mm |
| | Length | 199mm |
| | Width | 167mm |
| Weight | | Approx. 14Kg |

Characteristics* :

| | | |
|--|--|---|
| Capacity 770F (25°C) | 20 hour rate (2.1A) upto 10.5V 10 hour rate (3.91A) upto 10.5V 5 hour rate (7.14A) upto 10.2V 1 hour rate (27A) upto 9.6V 15 minute Rate (79A) upto 7.8V | 42Ah 39Ah 35.7Ah 27Ah 19.75Ah |
| Internal Resistance | Full charged Battery 81°F (27°C) | 7.6 mΩ |
| Capacity affected by (temperature (20 hour rate) | 104°F (40°C) 81°F (27°C) 32°F (0°C) 5°F (-15°C) | 110% 100% 80% 60% |
| Self discharge 88°F (27°C) | Capacity after 3 month storage Capacity after 6 month storage | 90% 85% |
| Terminal | B6 | |
| Max. discharge current 81°F (27°C) | 630 A (5S) | |
| Short circuit current | 1644.8 A | |

Constant power discharge rating watts per battery at 27°C *

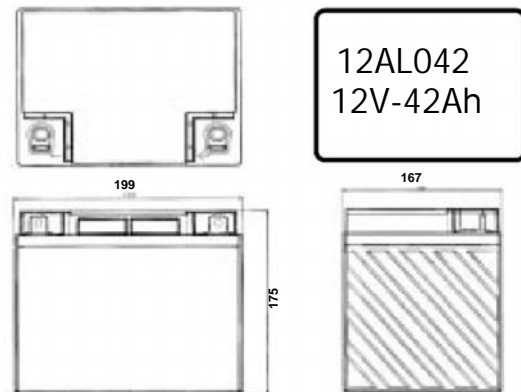
| ECV | TIME | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|------|------|------|------|
| | 5min | 10min | 15min | 20min | 30min | 60min | 2hrs | 3hrs | 5hrs | 8hrs |
| 1.8 | 1395 | 1010 | 800 | 672 | 505 | 305 | 180 | 130 | 89 | 58 |
| 1.7 | 1555 | 1092 | 842 | 693 | 520 | 320 | 185 | 132 | 90 | 59 |
| 1.6 | 1639 | 1136 | 882 | 715 | 565 | 330 | 192 | 134 | 91 | 60 |

CONSTANT CURRENT DISCHARGE RATINGS-AMPERES AT 27°C*

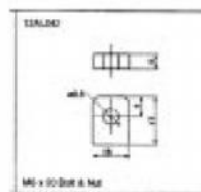
| Duration | 5min | 10min | 15min | 20min | 30min | 60min | 2hrs | 3hrs | 5hrs | 8hrs | 10hrs | 20hrs |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| ECV | | | | | | | | | | | | |
| 1.3 | 168.0 | 105.0 | 80.7 | 64.6 | 46.6 | | | | | | | |
| 1.55 | 150.0 | 97.6 | 77.7 | 61.7 | 46.1 | 28.3 | | | | | | |
| 1.6 | 139.5 | 94.8 | 75.8 | 60.1 | 45.6 | 27.2 | 16.5 | 11.3 | 7.7 | 4.8 | 4.0 | 2.2 |
| 1.7 | 126.1 | 89.0 | 69.3 | 55.7 | 42.0 | 26.5 | 15.2 | 10.6 | 7.2 | 4.6 | 3.9 | 2.1 |
| 1.75 | 123.5 | 85.7 | 67.7 | 55.2 | 41.5 | 26.2 | 15.0 | 10.6 | 7.1 | 4.5 | 3.9 | 2.1 |
| 1.8 | 118.9 | 84.0 | 66.6 | 53.8 | 41.1 | 25.1 | 14.8 | 10.5 | 7.1 | 4.5 | 3.8 | 2.0 |

* The above data are average values, and can be obtained within 3 charge / discharge cycles.

DIMENSIONS*



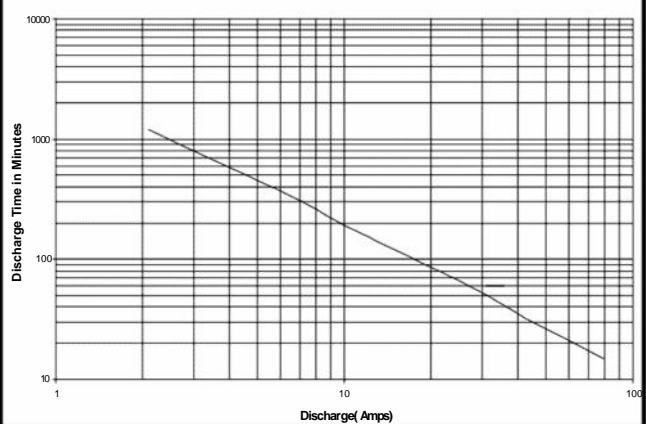
TERMINAL



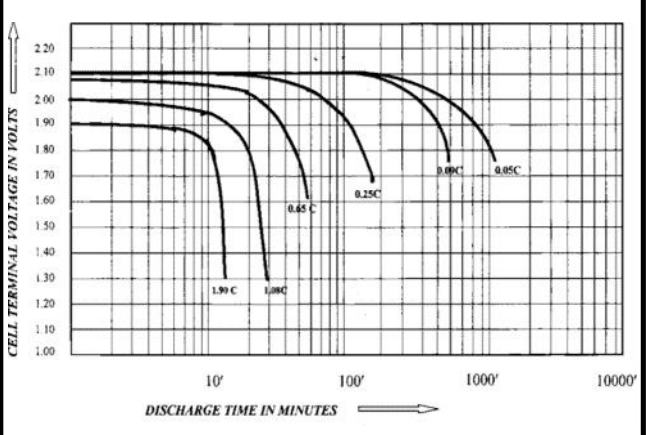
* Without FLAPPON™

Dimensions in mm

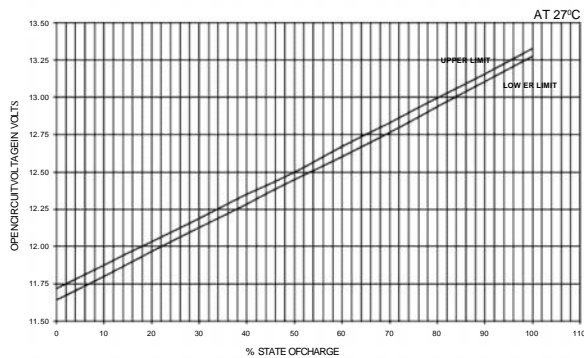
Discharge Current VS Time (27°C)



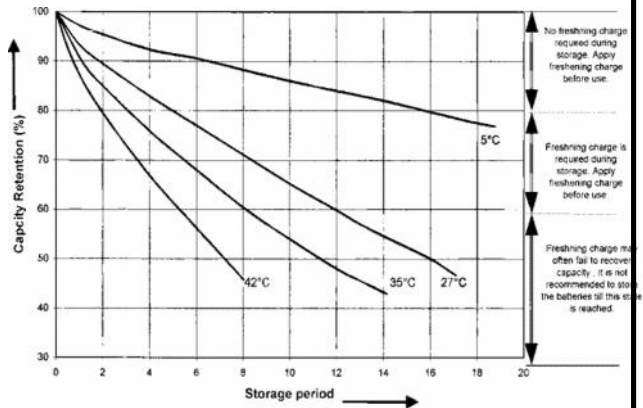
Discharge characteristic (27°C)



OPEN CIRCUIT VOLTAGE VS % STATE OF CHARGE

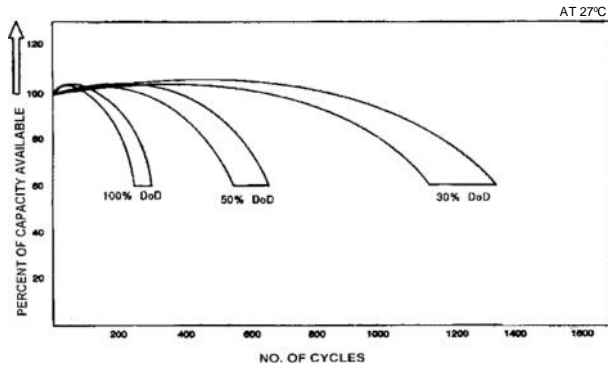


SELF DISCHARGE CHARACTERISTIC

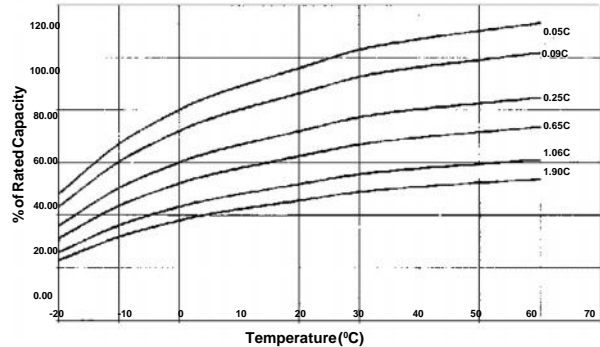


CYCLIC SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE

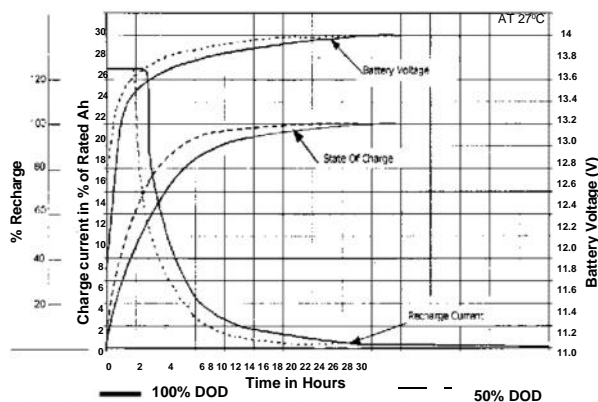
SPEC: JIS 8702C



TEMPERATURE EFFECT IN RELATION TO BATTERY CAPACITY



CONSTANT VOLTAGE CHARGING CHARACTERISTIC



CAUTION:

Avoid short circuit
Do not charge in a sealed container.

CHARGING METHODS:

| | | |
|----------------------------------|--|--------------------------------------|
| Constant Voltage Charging | | at 27°C. |
| Standby use | | : charging voltage 13.5volts/Battery |
| Max.Charging current | | : 25% of rated capacity |
| Cyclic use | | : Charging voltage 13.8volts/Battery |
| Max.Charging current | | : 25% of rated capacity |
| Temperature compensation | | : -5 mV / °C |

AMARA RAJA BATTERIES LTD.

Costa Power Industries Pvt Ltd

201, Sainath Prasad Building, Opp. Kasturi Plaza,
Station Road, Dombivali - East 421201

Contact No. - 9820710392

Email:- sales@upsbatteriesindia.com/

sunil@upsbatteriesindia.com

LONG LIFE UPS BATTERY FROM THE MAKERS OF

