NP-Series - Valve Regulated Lead Acid Battery NP2.3-12

Data Sheet

| SPECIFICATIONS | | |
|---|----------------------|------------|
| Nominal voltage | 12 | V |
| 20-hr rate Capacity to 1.75VPC at 20°C | 2.3 | Ah |
| 10-hr rate Capacity to 1.75VPC at 20°C | 2.1 | Ah |
| DIMENSIONS | | |
| Length | 178 (±1) | mm |
| Width | 34 (±1) | mm |
| Height | 01(21) | mm |
| (height over terminals) | 64 (±2) | mm |
| Mass (typical) | 0.95 | kg |
| TERMINAL TYPE | | 5 |
| FASTON (Quickfit / release) | 4.75 | mm |
| OPERATING TEMPERATURE RANGE | • | |
| Storage | -20°C to | 2.460°C |
| Charge | -20 ° ta -15°C ta | |
| Discharge | -10 C to | |
| STORAGE | -20 0 10 | |
| Capacity loss per month at 20°C (approx) | 3 | % |
| CASE MATERIAL | | ,3 |
| Standard Option | ABS (UL | 94·HB) |
| Flame retardant option (FR) | ABS (U | , |
| CHARGE VOLTAGE | AB3 (0 | L94.V0) |
| | 13.65 (±1%) | V |
| Float charge voltage at 20°C | 2.275 (±1%) | V/cell |
| Float Charge voltage temperature correction factor (for variations from the standard 20°C) | -3 | mV/cell/°C |
| Cyclic (or Boost) charge at 20°C | 14.5 (±3%) | V |
| | 2.42 (±3%) | V/cell |
| Cyclic Charge voltage temperature correction factor (for variations from the standard 20°C) | -4 | mV/cell/°C |
| CHARGE CURRENT | | |
| Float charge current limit | No limit | A |
| Cyclic (or Boost) charge current limit | 0.575 | А |
| MAXIMUM DISCHARGE CURRENT | | |
| 1 second | 69 | А |
| 1 minute | 23 | А |
| SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE | | |
| (according to EN IEC 60896-21) | | |
| Internal resistance | N/A | m۱ |
| Short-Circuit current | N/A | А |
| IMPEDANCE | | |
| Measured at 1 kHz | 90 | ml |
| PERFORMANCE & CHARACTERISTICS | | |
| Refer to the technical manual | NP | |
| DESIGN LIFE | | |
| EUROBAT Classification: Standard Commercial | 3 to 5 | years |
| | | - |
| Yuasa design life @ 20°C | up to 5 | years |
| SAFETY | | |



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3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems ISO 14001 - Environmental Management Systems EN 18001 - OHSAS Management Systems UNDERWRITERS LABORATORIES Inc. VdS (Germany) - VdS No: G101139

STANDARDS

IEC61056



Uds Vds





Can be installed and operated in any orientation except permanently inverted

Handles

Installation

Batteries must not be suspended by their handles (where fitted)

Vent valves

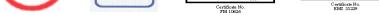
Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.

Gas Release

VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container

Recycling

YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.1 / Issue Date: July 2010



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| | NP | |
|---------------------|----|--|
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