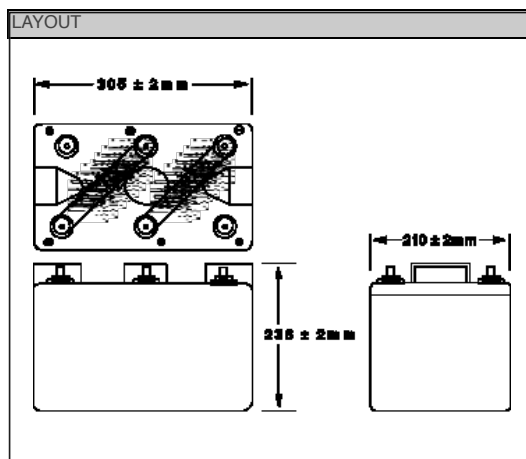


# ENL-Series - Valve Regulated Lead Acid Battery

## ENL160-6

| SPECIFICATIONS   |   |            |
|--|---|------------|
| Nominal voltage  | 6   | V          |
| 10-hr rate Capacity to 10.8V at 20°C   | 163   | Ah         |
| 10-min rate Constant Power to 1.6V/cell at 20°C  | 638   | Watts      |
| DIMENSIONS   |   |            |
| Length   | 305 (±1)  | mm         |
| Width  | 210 (±1)  | mm         |
| Height   | 240 (±1)  | mm         |
| (height over terminals)  | N/A   | mm         |
| Mass (typical)   | 35.0  | kg         |
| TERMINAL TYPE  |   |            |
| Threaded terminal - ( M=Male or F=Female )   | M8 (F)  | mm         |
| Torque   | 6 (±0.5)  | Nm         |
| OPERATING TEMPERATURE RANGE  |   |            |
| Storage (in fully charged condition)   | -20°C to +50°C  |            |
| Charge   | -15°C to +50°C  |            |
| Discharge  | -20°C to +60°C  |            |
| STORAGE  |   |            |
| Capacity loss per month at 20°C (approx)   | 3   | %          |
| CASE MATERIAL  |   |            |
| Flame retardant  | ABS (UL94:V0)   |            |
| CHARGE VOLTAGE   |   |            |
| Float charge voltage at 20°C   | 6.78 (±1%)  | V          |
|  | 2.26 (±1%)  | V/cell     |
| Float Charge voltage temperature correction factor (for variations from the standard 20°C) | -3  | mV/cell/°C |
| Boost charge at 20°C   | 7.2 (±2%)   | V          |
|  | 2.40 (±2%)  | V/cell     |
| Boost 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          |
| Boost charge current limit   | 40.75   | A          |
| MAXIMUM DISCHARGE CURRENT  |   |            |
| 1 second   | 1500  | A          |
| 1 minute   | 960   | A          |
| SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE  |   |            |
| <b>(according to EN IEC 60896-21)</b>  |   |            |
| Internal resistance  | 2.15  | mΩ         |
| Short-Circuit current  | 3200  | A          |
| IMPEDANCE  |   |            |
| Measured at 1 kHz  | 1.7   | mΩ         |
| PERFORMANCE & CHARACTERISTICS  |   |            |
| Refer to the technical manual  | ENL   |            |
| DESIGN LIFE  |   |            |
| EUROBAT Classification: High Performance   | -   |            |
| EUROBAT Classification: Long Life  | 12+   | years      |
| Yuasa design life @ 20°C   | 15  | years      |
| SAFETY   |   |            |
| <b>Installation</b>  | Can be installed and operated in any orientation except permanently inverted  |            |
| <b>Handles</b>   | Batteries must not be suspended by their handles (where fitted)   |            |
| <b>Vent valves</b>   | Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.                      |            |
| <b>Gas Release</b>   | VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container  |            |
| <b>Recycling</b>   | YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations |            |

# Data Sheet



### 3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems  
 ISO 14001 - Environmental Management Systems  
 EN 18001 - OHSAS Management Systems  
 UNDERWRITERS LABORATORIES Inc.



### STANDARDS

IEC61056  
 IEC60896-21/22



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