

# Yuasa Technical Data Sheet

## Yuasa NP65-12I 12V 65Ah - Yuasa NP series standby & cyclic AGM VRLA battery

### Specifications

|                                                            |         |
|------------------------------------------------------------|---------|
| Nominal Voltage (V)                                        | 12 V    |
| 10m rate Constant Power (Typ) to 9.6V at 20°C (/Block)     | 1401.18 |
| 10m rate Constant Power (Typ) to 1.6V/cell at 20°C (/Cell) | 233.53  |
| 20-hr rate Capacity to 1.75V /Cell at 20°C (Ah)            | 65      |
| 10-hr rate Capacity to 1.8V /Cell at 20°C (Ah)             | 60.5    |

### Dimensions

|             |          |
|-------------|----------|
| Length (mm) | 350 (±1) |
| Width (mm)  | 166 (±1) |
| Height (mm) | 174 (±2) |
| Weight (kg) | 23       |

### Terminal Type

|               |        |
|---------------|--------|
| Terminal Type | M6 (F) |
| Torque (Nm)   | 4.76   |

### 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 |

### Storage

|                                             |   |
|---------------------------------------------|---|
| Capacity loss per month at 20°C (% approx.) | 3 |
|---------------------------------------------|---|

### Case Material

|                     |               |
|---------------------|---------------|
| Case Material       | ABS (UL94:HB) |
| Standard or FR Case | Standard      |

### Charge Voltage

|                                                             |       |
|-------------------------------------------------------------|-------|
| Float charge voltage at 20°C /Block (±1%)                   | 13.65 |
| Float charge voltage at 20°C /Cell (±1%)                    | 2.275 |
| Float Chg voltage tmp correction factor from std 20°C (mV)  | -3    |
| Cyclic (or Boost) charge Voltage at 20°C (V) /Block (±3%)   | 14.5  |
| Cyclic (or Boost) charge Voltage at 20°C (V) /Cell (±3%)    | 2.42  |
| Cyclic Chg voltage tmp correction factor from std 20°C (mV) | -4    |

### Charge Current

|                                            |       |
|--------------------------------------------|-------|
| Float charge current limit (A)             | 16.25 |
| Cyclic (or Boost) charge current limit (A) | 16.25 |

### Maximum Discharge Current

|                                  |     |
|----------------------------------|-----|
| Maximum discharge current 1s (A) | 800 |
| Maximum discharge current 1m (A) | 500 |

### Short-Circuit Current & Internal Resistance

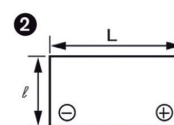
|                                                          |     |
|----------------------------------------------------------|-----|
| Short-Circuit current - according to EN IEC 60896-21 (A) | 800 |
| Internal resistance (mΩ) measured at 1 kHz               | 5   |

### Design Life & Approvals

|                                 |                                      |
|---------------------------------|--------------------------------------|
| EUROBAT Classification          | Standard commercial:<br>3 to 5 years |
| Eurobat Life                    | 3 to 5 years                         |
| Yuasa design life at 20°C (yrs) | Up to 5 years                        |
| VdS (Germany)                   | VdS_No:_G_183008                     |



### Layout



### Certifications

UNDERWRITERS LABORATORIES Inc.



## Safety

### Installation

Can be installed and operated in orientations up to 90° from the upright position.

### Handles

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

### Vent valves

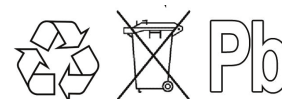
Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.

### Gas release

VRLA batteries release hydrogen gas which can form explosive mixtures in the 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.



by **GS YUASA**

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