

Yuasa Ficha Técnica



Yuasa NPL100-12 Industrial VRLA Battery

Especificaciones

| | |
|---|-----|
| Voltaje nominal (V) | 12 |
| 20-hr rate Capacity to 10.5V at 20°C (Ah) | 100 |
| 10-hr rate Capacity to 10.8V at 20°C (Ah) | 88 |

Dimensiones

| | |
|------------|------------|
| Largo (mm) | 407 (±0.7) |
| Ancho (mm) | 172 (±0.5) |
| Alto (mm) | 240 (±0.7) |
| Peso (Kg) | 39 |

Tipo de terminal

| | |
|--------------------------|---------|
| M= Masculino, F=Femenino | M10 LUG |
| Tuerca (Nm) | 16.5 |

Rango de temperatura de funcionamiento

| | |
|------------------------------------|----------------|
| Almacenamiento (en carga completa) | -20°C to +50°C |
| Carga | -15°C to +50°C |
| Descarga | -20°C to +60°C |

Almacenamiento

| | |
|---|---|
| Perdida de capacidad por mes a 20° C (% aprox.) | 3 |
|---|---|

Material de la caja

| | |
|-----------------------|---------------|
| Standar | ABS (UL94:HB) |
| Version disponible FR | UL94:V0 |

Voltaje de carga

| | |
|--|-------------|
| Carga flotante a 20°C (V)/Block | 13.65 (±1%) |
| Carga flotante a 20°C (V)/Cell | 2.275 (±1%) |
| Voltaje de carga en flotación factor de corrección de la temperatura desde estándar a 20° C (mV) | -3 |
| Voltaje a carga ciclica a 20°C (V)/Block | 14.5 (±3%) |
| Voltaje a carga ciclica 20°C (V)/Cell | 2.42 (±3%) |
| Carga de voltaje en ciclos factor de correccion de temperatura desde 20° (mV) | -4 |

Corriente de carga

| | |
|---|----------|
| Limite de carga de corriente en flotación (A) | No limit |
| Carga ciclica. Limite | 25 |

Máxima corriente de carga

| | |
|---------------|------|
| 1 segundo (A) | 1000 |
| 1 minuto (A) | 500 |

Impedancia

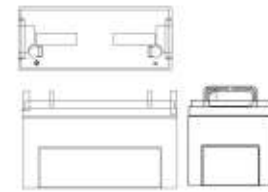
| | |
|---------------------|---|
| Medida a 1 kHz (mΩ) | 4 |
|---------------------|---|

Diseño de vida y certificados

| | |
|------------------------------------|----------------|
| Certificado EUROBAT: Larga vida | 10 to 12 years |
| Diseño de vida Yuasa a 20°C (años) | up to 10 years |



Diseño



Certificados de otras empresas

ISO9001 - Sistemas de gestión de Calidad
UNDERWRITERS LABORATORIES Inc.



Seguridad

Instalación

Puede ser instalado y trabajar en cualquier orientación excepto de manera invertida de forma permanente.

Asas

Las baterías no deben estar sujetas por sus asas (si existen).

Válvulas ventiladas

Cada celda está equipada con una válvula de liberación de presión baja para permitir que los gases escapen y luego vuelven a sellar.

Liberación de gas

Baterías VRLA liberan gas hidrógeno que puede formar mezclas explosivas en el aire. No coloque dentro de un recipiente hermético.

Reciclaje

Baterías de YUASA VRLA deben reciclar al final de la vida, de acuerdo con las leyes y regulaciones locales y nacionales.

Fecha de emisión: 20/09/2022 - E&EO



Yuasa Technical Data Sheet



Yuasa NPL100-12 Industrial VRLA Battery

Specifications

| | |
|---|-----|
| Nominal voltage (V) | 12 |
| 20-hr rate Capacity to 10.5V at 20°C (Ah) | 100 |
| 10-hr rate Capacity to 10.8V at 20°C (Ah) | 88 |

Dimensions

| | |
|-------------|------------|
| Length (mm) | 407 (±0.7) |
| Width (mm) | 172 (±0.5) |
| Height (mm) | 240 (±0.7) |
| Mass (kg) | 39 |

Terminal Type

| | |
|--|---------|
| Threaded terminal - (M=Male or F=Female) | M10 LUG |
| Torque (Nm) | 16.5 |

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

| | |
|----------------------|---------------|
| Standard | ABS (UL94:HB) |
| FR version available | UL94:V0 |

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 std 20°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 std 20°C (mV) | -4 |

Charge Current

| | |
|--|----------|
| Float charge current limit (A) | No limit |
| Cyclic (or Boost) charge current limit (A) | 25 |

Maximum Discharge Current

| | |
|--------------|------|
| 1 second (A) | 1000 |
| 1 minute (A) | 500 |

Impedance

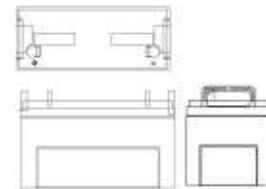
| | |
|------------------------|---|
| Measured at 1 kHz (mΩ) | 4 |
|------------------------|---|

Design Life & Approvals

| | |
|-----------------------------------|----------------|
| EUROBAT Classification: Long life | 10 to 12 years |
| Yuasa design life at 20°C (yrs) | up to 10 years |



Layout



3rd Party Certifications

ISO9001 - Quality Management Systems
UNDERWRITERS LABORATORIES Inc.



Safety

Installation

Can be installed and operated in any orientation except permanently inverted.

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.

