

Yuasa SWL2500T Industrial VRLA Battery

Spezifikationen

| | |
|--|------|
| Nennspannung (V) | 12 |
| 10-minütige Konstantleistungs-Entladerate bis 9,6V/Zelle bei 20°C (Watt pro Block) | 2940 |
| 10-minütige Konstantleistungs-Entladerate bis 1,6V/Zelle bei 20°C (Watt pro Zelle) | 490 |
| 20-hr rate capacity to 1.75v per cell at 20°C (Ah) | 93.6 |
| 10-hr rate Capacity to 1.75v per cell at 20°C (Ah) | 91.4 |

Abmessungen

| | |
|--------------------------------|----------|
| Länge (mm) | 305 (±3) |
| Breite (mm) | 173 (±3) |
| Höhe (mm) | 220 (±3) |
| Höhe über den Anschlüssen (mm) | 223 (±3) |
| Gewicht (kg) | 31 |

Anschlusspol Typ

| | |
|-----------------------------------|--------|
| Innengewinde oder Bolzenanschluss | M6 (F) |
| Drehmoment (Nm) | 4.8 |

Betriebstemperaturbereich

| | |
|--------------------------------------|----------------|
| Lagerung (in voll geladenem Zustand) | -20°C to +50°C |
| Ladung | -15°C to +50°C |
| Entladung | -20°C to +60°C |

Lagerung

| | |
|---|---|
| Selbstentladung pro Monat bei 20°C in % (ca.) | 3 |
|---|---|

Gehäusematerial

| | |
|-----------------------|---------------|
| Standard | ABS (UL94:HB) |
| FR-Version erhältlich | UL94:V0 |

Ladespannung

| | |
|---|-------------|
| Schwebeladespannung bei 20°C (V)/Block | 13.65 (±1%) |
| Schwebeladespannung bei 20°C (V)/Zelle | 2.275 (±1%) |
| Ladespannungskompensationsfaktor bei Schwebeladung bei Abweichungen von der Standardtemperatur 20°C(mV) | -3 |
| Zyklische oder Starkladespannung bei 20°C (V)/Block | 14.5 (±3%) |
| Zyklische oder Starkladespannung bei 20°C (V)/Zelle | 2.42 (±3%) |
| Ladespannungskompensationsfaktor bei Starkladung bei Abweichungen von der Standardtemperatur 20°C (mV) | -4 |

Ladestrom

| | |
|---|----------|
| Ladestrombegrenzung bei Schwebeladung (A) | No limit |
| Ladestrombegrenzung bei Starkladung (A) | 22.5 |

Maximaler Entladestrom

| | |
|---------------|------|
| 1 Sekunde (A) | 1000 |
| 1 Minute (A) | 500 |

Kurzschlussstrom & Innenwiderstand

| | |
|--|------|
| Innenwiderstand gemäß EN IEC 60896-21 (mΩ) | 6.5 |
| Kurzschlussstrom gemäß EN IEC 60896-21 (A) | 2258 |

Impedanz

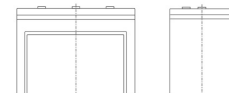
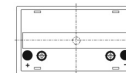
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|-------------------------|---|
| Gemessen bei 1 kHz (mΩ) | 4 |
|-------------------------|---|

Gebrauchsdauer und Zulassungen

| | |
|---------------------------------------|----------------|
| EUROBAT-Klasse: Long life | 10 to 12 years |
| YUASA-Gebrauchsdauer bei 20°C (Jahre) | up to 10 years |



Layout



Zertifikate von unabhängigen Institutionen

ISO 9001 - Quality Management System
UNDERWRITERS LABORATORIES Inc.



Sicherheit

Einbau

Kann in beliebiger Lage installiert und betrieben werden, außer dauerhaft über Kopf.

Tragegriffe

Batterien nicht dauerhaft an den Tragegriffen hängend (sofern vorhanden) installieren.

Ventile

Um den Gasdruck auszugleichen, ist jede Zelle mit einem Niederdruck-Ablassventil ausgestattet, das nach dem Öffnen wieder schließt.

Gasung

VRLA Batterien setzen Wasserstoffgas frei

Recycling

Yuasa VRLA Batterien müssen am Ende ihrer Gebrauchsdauer gemäß den lokalen und nationalen Gesetzen und Richtlinien dem Recycling zugeführt werden.



Yuasa Technical Data Sheet



Yuasa SWL2500T Industrial VRLA Battery

Specifications

| | |
|---|------|
| Nominal voltage (V) | 12 |
| 10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block) | 2940 |
| 10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell) | 490 |
| 20-hr rate capacity to 1.75v per cell at 20°C (Ah) | 93.6 |
| 10-hr rate Capacity to 1.75v per cell at 20°C (Ah) | 91.4 |

Dimensions

| | |
|----------------------------|----------|
| Length (mm) | 305 (±3) |
| Width (mm) | 173 (±3) |
| Height (mm) | 220 (±3) |
| Height over terminals (mm) | 223 (±3) |
| Mass (kg) | 31 |

Terminal Type

| | |
|--|--------|
| Threaded terminal - (M=Male or F=Female) | M6 (F) |
| Torque (Nm) | 4.8 |

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) | 22.5 |

Maximum Discharge Current

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

Short-Circuit Current & Internal Resistance

| | |
|--|------|
| Internal resistance - according to EN IEC 60896-21 (mΩ) | 6.5 |
| Short-Circuit current - according to EN IEC 60896-21 (A) | 2258 |

Impedance

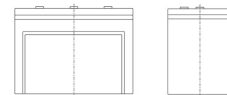
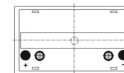
| | |
|------------------------|---|
| Measured at 1 kHz (mΩ) | 4 |
|------------------------|---|

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.

