



TS4-A-O (for Australia)

Module-level optimization, monitoring, and rapid shutdown

The Tigo TS4-A-O improves production, safety, and intelligence in new designs and existing systems. Patented technology delivers top performance with high efficiency for a fast ROI. Easy installation and long-term reliability reduce system downtime and truck rolls, while Tigo’s Energy Intelligence platform enables quicker onsite commissioning and comprehensive remote monitoring.

Features

- Simple, fast installation – snaps to a standard PV module frame or mounts to racking
- Intelligent optimization – delivers the maximum energy from an array
- Module-level monitoring – full visibility into module- and system-level production
- Rapid shutdown – a UL Standards-certified component for photovoltaic rapid shutdown systems (PVRSS) worldwide
- Works with any system – fully compatible with thousands of different inverter models from more than 50 inverter brands
- 25-year warranty
- Monitoring, rapid shutdown, and remote troubleshooting with Tigo Access Point (TAP) and Cloud Connect Advanced (CCA)

Specifications

Electrical

| | |
|--------------------------------------|----------------|
| Maximum current (I_{MP}/I_{SC}) | 15 A/20 A |
| Input voltage range (V_{MP}) | 16 – 80 V |
| Maximum input voltage | 80 V |
| Maximum system voltage (V_{MAX}) | 1000 V/1500 V* |
| Maximum output current (I_{MAX}) | 15 A |
| Maximum output power (P_{MAX}) | 700 W |
| Maximum fuse rating | 25 A |
| Maximum efficiency | 99.6% |

AS/NZ5033: 2021 Operational Output

| | |
|------------------------|---------------|
| Maximum output current | $I_{MOD MAX}$ |
| Maximum output voltage | $V_{MOD MAX}$ |
| Maximum output power | $P_{MOD MAX}$ |

Rapid Shutdown

| | |
|-----------------------------------|---|
| TS4 conductor AWG | 12 |
| Rapid shutdown time limit | <30 sec. |
| PVRSE-controlled conductor limits | $\leq 240 VA, \leq 8 A, \leq 30 V_{DC}$ |
| UL 1741-compliant PVRSE | Yes |
| Communications | Wireless |

Connections

| | |
|-----------------------------------|-------------|
| Input (from module) cable lengths | 0.12/0.62 m |
| Output (to string) cable lengths | 1.2/2 m |
| Connectors | MC4/EVO2 |

* Depending on UL/IEC certification



Specifications

Environmental

| | |
|-----------------------------|-------------------------------|
| Operating temperature range | -40 – 70 °C (-40 – 158 °F) |
| Storage temperature range | -40 – 85 °C (-40 – 185 °F) |
| Maximum elevation | 2000 m (6560 ft.) |
| Outdoor IP rating | IP68/NEMA 3R |

Mechanical

| | |
|--------------------|--|
| Dimensions (H/W/D) | 139.7 x 138.4 x 22.9 mm (5.4 x 5.5 x 0.9 in.) |
| Weight | 520 g (1.15 lb.) |

General

| | |
|----------------------|---|
| Standards compliance | FCC 15b, ETSI EN 301 489, CISPR 31, CSA 22.2, IEC 62109, NEC 690.12, UL 1741 PVRSE/PVRSS |
| Warranty | 25 years* |

*To maintain the full 25 year Warranty, Tigo requires all system components (TS4-A-O, CCA and TAP) to stay connected to the Tigo Energy Intelligence platform throughout the Warranty Period, allowing for remote monitoring and firmware updates. Otherwise, the Warranty period is 5 years from the date of original installation.

Ordering Information

| Part Number | V _{MAX} Certifications UL/IEC | Cable Lengths | Connectors |
|--------------|---|------------------|------------|
| 461-00252-20 | 1500 V/1000 V | 1.2/2 m | MC4 |
| 461-00252-32 | 1500 V/1000 V | 0.12/1.2 m | MC4 |
| 461-00252-62 | 1500 V/1000 V | 0.62/1.2 m | MC4 |
| 461-00261-32 | 1500 V/1500 V | 0.12/1.2 m | EVO2 |
| 461-00261-62 | 1500 V/1500 V | 0.62/1.2 m | EVO2 |
| 462-00252-32 | 1000 V* | 0.12/1.2 m | MC4 |
| 462-00252-62 | 1000 V* | 0.62/1.2 m | MC4 |
| 462-00261-32 | 1500 V* | 0.12/1.2 m | EVO2 |
| 462-00261-62 | 1500 V* | 0.62/1.2 m | EVO2 |

* IEC certified only

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