



TS4-A-O (for Australia and New Zealand)

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
- Monitoring, rapid shutdown, and remote troubleshooting with Tigo Access Point (TAP) and Cloud Connect Advanced (CCA)
- Up to 25 years*

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	US FCC, IC Canada, CE- EMC, CE-LVD, CE-RED, CE-RoHS, TUV-IEC 62109, ANSI/UL/CAN 1741, UL1741 PVRSE/PVRSS, US NEC 690/12, ANSI/UL/CAN 3741, CSA 22.2-106, CSA 22.2-330 PVRSE/PVRSS
Warranty	Up to 25 years*

*The Warranty period is 5 years from the date of original installation. To extend to a full 25-year Warranty, Tigo requires all system components with connection capability (TS4-A-S, 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. Exclusions and limitations apply. Click here for full warranty details.

<https://www.tigoenergy.com/downloads?type-detail=Warranty>

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
462-01252-32		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

More Resources

