

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	≤240 VA, ≤8 A, ≤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

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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	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

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