



# TS4-A-S

### PV Module Advanced Add-On

The TS4-A-S (Safety) is the advanced add-on module-level solution that brings safe and smart module functionality to standard PV modules for higher reliability. Ensure safety by adding safety features to new installations or by upgrading existing PV systems.

The TS4-A-S complies with NEC 2017 690.12 Rapid Shutdown specifications when installed on each module and accompanied by the Tigo Access Point (TAP) and the Cloud Connect Advanced (CCA). DC production data can be analyzed via Tigo's SMART Website or App when connected to the cloud.

The TS4-A-S with UHD-Core technology and expanded specifications supports PV modules up to 500W.

#### **Included Features**



Enhanced **safety** for NEC 690.12 rapid shutdown compliance



Module-level **monitoring** for energy production tracking and system management

Easy Installation

Snap to standard module frame or remove brackets for rack mounting

### **Smart Commissioning**

Configure and commission with your Android or iOS mobile device

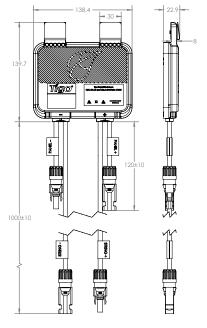
### Rapid Shutdown

Secure your PV system with local shutdown for maintenance



## **TS4-A-S SPECIFICATIONS**

Environmental	
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)
Outdoor Rating	IP68, NEMA 3R
Mechanical	
Dimensions	138.4mm x 139.7mm x 22.9mm
Weight	490g
Electrical	
Voltage Range	16 - 90V
Maximum Current	15A
Maximum Power	500W
Output Cable Length	1.2m (standard)
Connectors	MC4 (standard)
Communication Type	Wireless
Rapid Shutdown UL Listed (NEC 2014 & 2017 690.12)	Yes



Cloud Connect Advanced (CCA) is required for monitoring and TAP is required for rapid shutdown with TS4-A-S.

## ORDERING INFORMATION

Standard	
456-00252-32	1500V UL / 1000V TÜV, 1.2m cable, MC4
<b>Options</b>	
456-00257-12	1000V UL / TÜV, 1.2m cable, MC4 comparable
456-00261-32	1500V UL / TÜV, 1.2m cable, EVO2
456-00263-12	1500V UL / TÜV, 1.2m cable, EVO comparable





#### For sales info:

sales@tigoenergy.com or 1.408.402.0802

#### For product info:

Visit tigoenergy.com/products

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Visit support.tigoenergy.com

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