



# TS4-A-S

# Module-level PV Rapid Shutdown with Monitoring

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 and 2020 690.12 Rapid Shutdown specifications when installed on each module and accompanied by the Tigo Access Point (TAP) and the Cloud Connect Advanced (CCA). Module-level DC production data, as well as data from other Modbus connected devices, can be analyzed via Tigo's Energy Intelligence Software when connected to the cloud.

The TS4-A-S with UHD-Core technology and expanded specifications supports PV modules up to 700W, and 15A.

### **Included Features**



Enhanced **safety** for 2017 and 2020 NEC 690.12 rapid shutdown compliance



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

### **Easy Installation**

Snap to standard module frame or remove clips 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		138.4
Operating Temperature Range	UL: -30°C to +75°C (-22°F to +167°F) IEC: -40°C to +85°C (-40°F to + 185°F)	
Outdoor Rating	IP68, NEMA 3R	139.7
Mechanical		TIGO COMPA
Dimensions	138.4mm x 139.7mm x 22.9mm	
Weight	490g	
Electrical		120±10
Max Input Voltage (V <sub>oc</sub> @ Lowest Temperature)	90V	1200±10
Input Voltage Range	16 - 90V*	-TYTI- 1919
Maximum Current	15A	
Maximum Power	700W	
Cable Length (in/out)	0.12/1.2m (standard), 0.62/1.2m (optional)	
Connectors	MC4 (standard), EVO2 (optional)	
Communication Type	Wireless	Module frame specifications for mounting TS4-A
Rapid Shutdown UL Listed (NEC 2014 & 2017 690.12)	Yes	ALUMINUM FRAME
Rapid Shutdown Time Limit	30 secs or less**	<u> </u>
Conductor AWG Range	10-12AWG	min. 22mm
with TS4-A-S.	≤30 Vdc, ≤240VA, ≤8A** FRA d for monitoring and TAP is required for rapid shutdown ndent on the PV module voltage. Refer to PV modules	ME THICKNESS RANGE 1.2mm - 3mm min. 30mm GLASS

# ORDERING INFORMATION

\*\*Limits are based on NEC 690.12 rapid shutdown requirements.

Standard	Description
466-00252-32	15A, 700W, 1500VUL/1000VIEC, 1.2M Cable, MC4
Options	Description
466-00252-62	15A, 700W, 1500VUL/1000VIEC, 0.62/1.2M Cable, MC4
466-00261-32	15A, 700W, 1500VUL/IEC, 1.2M Cable, EVO2
466-00261-62	15A, 700W, 1500VUL/IEC, 0.62/1.2M Cable, EVO2





Photovoltaic Rapid Shutdown System Equipment, QIJW









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For additional info and product selection assistance, use Tigo's online design tool at <a href="mailto:tigoenergy.com/design">tigoenergy.com/design</a>

