



UL-listed with PV Modules



UL-listed with PV Inverters



TS4 Flex MLPE System: Optimization, Monitoring, And Rapid Shutdown

The Only UL-Certified Multivendor Rapid Shutdown MLPE Solution

With Tigo, only pay for what you need to maximize the benefit of your PV installation.

FEATURES

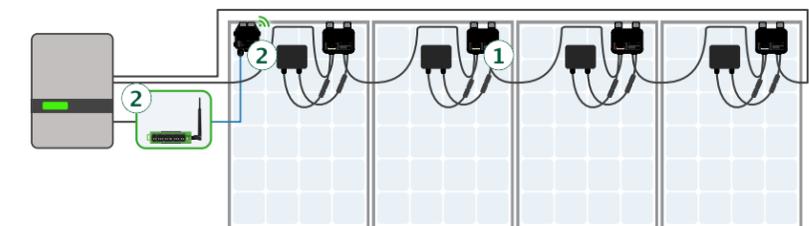
REQUIRED
SEE SCHEMATIC BELOW

OPTIONS

UP TO 700W
PER CHANNEL

	O	S	M	F
FEATURES	Rapid Shutdown Monitoring Optimization	Rapid Shutdown Monitoring	Monitoring	Rapid Shutdown
REQUIRED	CCA & TAP	CCA & TAP	CCA & TAP	RSS Transmitter
OPTIONS	May be selectively deployed	May be selectively deployed	May be selectively deployed	TS4-A-2F serves 2 PV modules with 1 device
UP TO 700W				

SCHEMATIC | O, S, M
Monitoring enabled
smart devices



1. TS4: O, S, M

Tigo TS4 units are connected to each module. Customers can selectively deploy any combination of the TS4-A-O, -S, or -M products to maximize returns for their particular site.

2. CCA & TAP

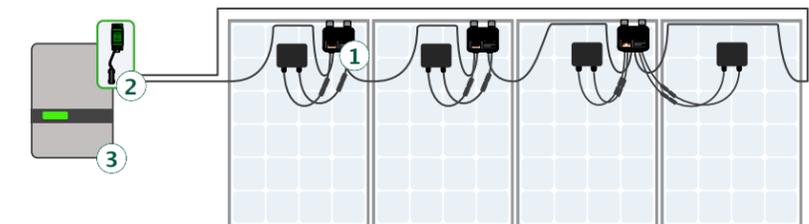
Tigo's Cloud Connect Advanced (CCA) is the data hub for TS4s and other devices (inverter, battery, etc.). It connects with an RS485 cable to the TAP which wirelessly communicates with TS4s.

3. Tigo Energy Intelligence

All of the module-level data, and any third party data connected to Tigo's CCA can be viewed in Tigo's Energy Intelligence monitoring system.



SCHEMATIC | F, 2F
Dedicated, reliable
rapid shutdown
devices



1. TS4: F or 2F

Tigo's Fire Safety line of TS4 are completely dedicated to the rapid shutdown function and communication via PLC with the RSS Transmitter.

2. Required: RSS Transmitter

The Tigo Rapid Shutdown System (RSS) Transmitter* enables UL PVRSS certified rapid shutdown with TS4-A-F and -2F units to meet required safety codes.

*RSS Transmitter may be inside the inverter, see Tigo Enhanced Inverters.

3. Monitoring: Inverter

Tigo's TS4-A-F and -2F are dedicated rapid shutdown devices. Inverter monitoring may provide DC data at the string, MPPT or array level.



Tigo Enhanced inverters are plug and play with Tigo's MLPE

- When you see the logo, you know it works with Tigo's rapid shutdown devices
- See the logo on partner inverter specification sheets, marketing materials, inverter front panels, and more
- Integrated RSS transmitters enable a simple, reliable, plug and play rapid shutdown solution

Rapid Shutdown with Power Line Communication

TS4-A Advanced Add-on			SKU
TS4-A-F	500W, 1500V UL / 1000V IEC, 1.2M Cable, MC4		458-00252-32
TS4-A-F	700W, 1500V UL / 1000V IEC, 1.2M Cable, MC4		459-00252-32
TS4-A-2F	1000W, 1500V UL / 1000V IEC, 2.2M Cable, MC4		484-00252-22

Rapid Shutdown with Module-Level Monitoring & Optimization

TS4-A Advanced Add-on			SKU
TS4-A-O	500W, 1500V UL / 1000V IEC, 1.2M Cable, MC4		451-00252-32
TS4-A-O	700W, 1500V UL / 1000V IEC, 1.2m Cable, MC4		461-00252-32
TS4-A-S	500W, 1500V UL / 1000V IEC, 1.2M Cable, MC4		456-00252-32
TS4-A-S	700W, 1500V UL / 1000V IEC, 0.12/1.2m Cable, MC4		466-00252-32
TS4-A-M	500W, 1500V UL / 1000V IEC, 0.12/1.2m Cable, MC4		455-00252-32

*Consult factory for other/special connector options

RSS Transmitter and Accessories



Power Line Communication			SKU
Single Core RSS	150A DIN Rail Transmitter (no power supply or enclosure)		490-00000-10
Dual Core RSS	300A DIN Rail Transmitter (no power supply or enclosure)		490-00000-20
Single Core RSS Kit	100A DIN Rail Transmitter Kit, 120/240VAC power supply, Enclosure		492-00000-10
Dual Core RSS Kit	200A DIN Rail Transmitter Kit, 120/240VAC power supply, Enclosure		492-00000-20
Commercial Dual Core RSS	DIN Rail Transmitter, 480/277VAC power supply (no enclosure)		493-00000-20
RSS Signal Detector	(includes 4 x AA batteries)		400-00900-00

Communication Accessories for Module-Level Monitoring



Wireless Communication			SKU
Cloud Connect Advanced (CCA)	Standalone, data logger, communication hub		346-00000-00
Tigo Access Point (TAP)	Collect data from up to 300 TS4 units		158-00000-02
Outdoor Enclosure (CCA)	Standalone, data logger, communication hub. CCA, TAP, DIN rail power supply		348-00000-52

Embrace Solar Freedom

Flexible. Simple. Trusted.

