TS4-O

Optimization

TS4-O is one of five functional covers that pairs with an integrated modular junction box base (TS4-B), with a retrofit/add-on base (TS4-R), or a Duo retrofit/add-on base (TS4-R-S-Duo).

Features
- Increased energy yield
- Greater design flexibility
- Shade and age tolerance
- Maximized roof usage

- Plus all the benefits of Safety:
  - NEC 690.12 Rapid Shutdown compliance*
  - Module-level deactivation
  - Over-temperature protection
- Plus all the benefits of Monitoring:
  - Reduces O&M costs
  - Module bar code tracking
  - Fleet management

Increase your energy harvest
In an unshaded system, Tigo optimization increased energy harvest by 3%.[1]
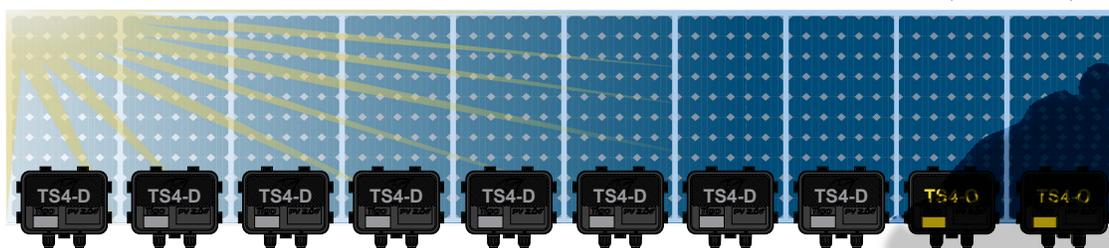In a shaded system, recover 36% of energy that would have been lost due to mismatch.[2]

Design flexibility
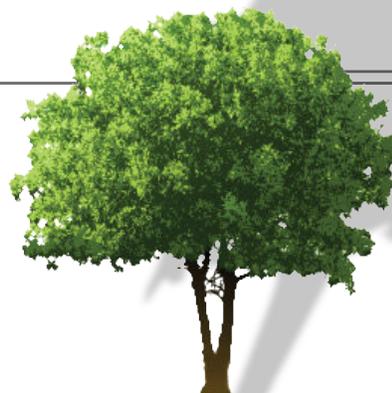Design using unequal string lengths and mixed orientations.
Install into shaded areas with a reduced setback ratio.
Optimize only where needed with selective deployment.[3]

Optimize only where needed[4]

TS4-D TS4-D TS4-D TS4-D TS4-D TS4-D TS4-D TS4-D TS4-O TS4-O

Works with 2000+ inverter types

Tigo®

PV 2.0

Meet any projects' needs with the TS4 covers

Tigo has expanded its smart module platform to provide five levels of customization. TS4 increases your freedom of choice by allowing to select the right features for each project and budget.

ELECTRICAL RATINGS

INPUT	
Rated DC Input Power	475W
Maximum Input Voltage @ Lowest Temperature	90V
Maximum Short Circuit Current (I_{SC})	12A
Maximum V_{OC} @ STC	75V
Minimum V_{MP} @ STC	16V
OUTPUT	
Output Power Range	0 - 475W
Output Voltage Range	0 - V_{OC}
Rapid Shutdown Capability (NEC 2014 690.12)	Yes
Impedance Matching Capability	Yes
Output Voltage Limit	No
Maximum System Voltage	1500V
Maximum Series Fuse Rating	15A

Cloud Connect and Gateway required for rapid shutdown compliance.

Diodes + Monitoring + Safety + **Optimization** **TS4-O**

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For product info:
Visit www.tigoenergy.com/products

For technical info:
http://support.tigoenergy.com

For additional info and product selection assistance, use Tigo's online design tool at www.tigoenergy.com/design

Read more about Tigo's solutions for:

Selective Deployment:
http://bit.ly/2xm5lCB

Different Orientations:
http://bit.ly/2hnp4j5

Uneven Strings:
http://bit.ly/2fe87Hb