

# TS4-O



## Optimization

TS4-O is one of the 5 functional covers that plugs in our Integrated Modular base (TS4-B) and in our Retrofit Modular base (TS4-R).

### Features

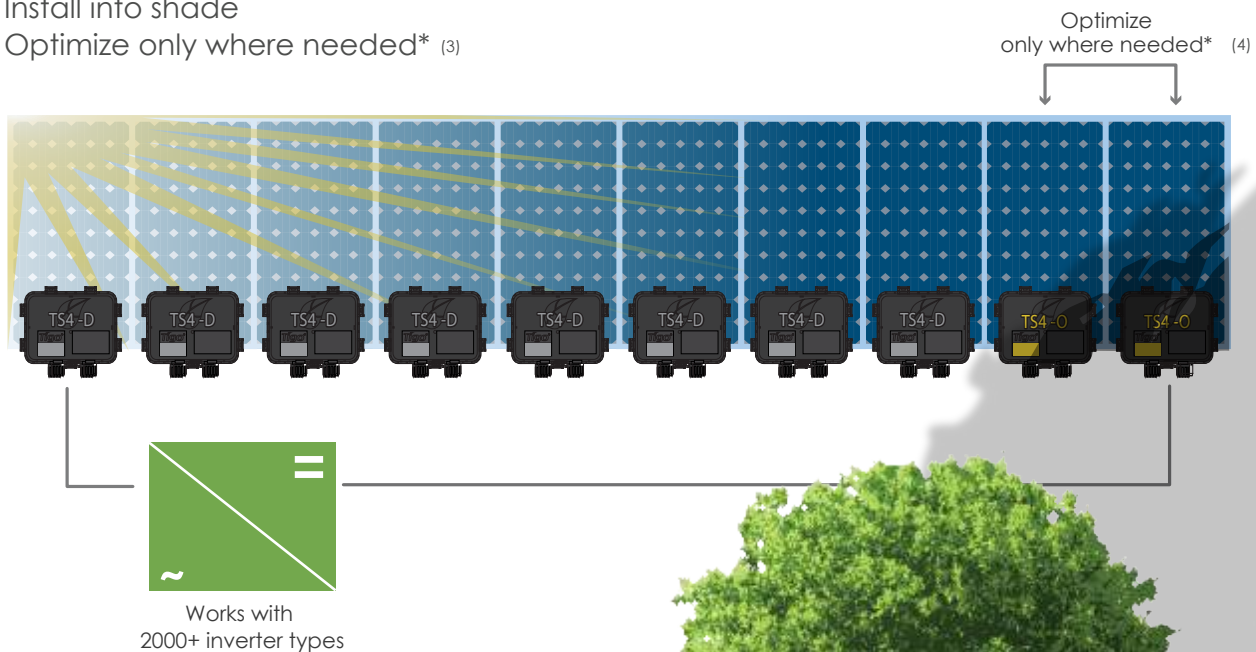
- Increased energy yield
- Greater design flexibility
- Shade and age tolerance
- Maximized roof usage
- Plus all the benefits of Safety

### Increase your energy harvest

- In an unshaded system, Tigo optimization increased energy harvest by 3%\* <sup>(1)</sup>
- In a shaded system, recover 36% of energy that would have been lost due to mismatch\* <sup>(2)</sup>

### Design flexibility

- Design uneven strings lengths
- Install into shade
- Optimize only where needed\* <sup>(3)</sup>



\*1) Photon lab report  
\*2) NREL report  
\*3) For residential systems  
\*4) Selective deployment of optimization is intended for systems with a single string per MPPT. Use 100% deployment of optimization on parallel strings connected to the same MPPT. Rapid shutdown compliance requires 100% deployment of at least TS4-S



# 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 @ STC	
Rated DC Input Power	375W
Maximum PV Module Open Circuit Voltage(Voc)	52V
Maximum Current	10A
PV Module Vmp range	16-48V
OUTPUT	
Output Power Range	0-375W
Output Voltage Range	0-Voc
Rapid Shutdown Verified (NEC 2014 690.12)	Yes
Impedance Matching Capability	Yes
Output Voltage Limit	No
Maximum System Voltage	600/1000/1500V
Maximum Series Fuse Rating	15A



**OPTIMIZATION**  
TS4-O

### For sales info:

[sales@tigoenergy.com](mailto:sales@tigoenergy.com) or 1.408.402.0802 ext. 1

### For product info:

Visit [www.tigoenergy.com/products](http://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](http://www.tigoenergy.com/design)

