



## TS4-A-O-DUO

### PV Module Advanced Add-On

The TS4-A-O-Duo (Optimization) is the advanced add-on optimization solution that brings smart module functionality to standard PV modules for higher reliability. Improve energy efficiency by upgrading underperforming PV systems or adding smart features to new installations.

The TS4-A-O-Duo with UHD-Core technology and expanded specifications supports two PV modules connected in series with a combined power of up to 700W.

### Included Features



**Optimization** for increased energy yield and greater design flexibility



Manual or automatic **shutdown**



**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



# TS4-A-O-DUO SPECIFICATIONS

## Environmental

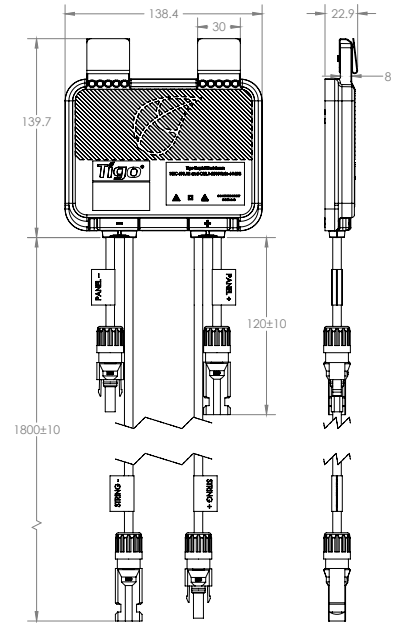
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)
Outdoor Rating	IP68
Maximum Elevation	2000m

## Mechanical

Dimensions	138.4mm x 139.7mm x 22.9mm
Weight	560g

## Electrical

Total Max Input Voltage (V <sub>OC</sub> @ Lowest Temperature)	90V
Voltage Range	16 - 90V
Maximum Current	12A
Maximum Power	700W
Output Cable Length	1.8m (standard)
Connectors	MC4 (standard)
Communication Type	Wireless
Recommended Fuse Rating	15A



TAP required for module-level shutdown and CCA required for monitoring with TS4-A-O-Duo.

## ORDERING INFORMATION

### Standard

452-00252-12 1000V UL / TÜV, 1.8m cable, MC4

### Options

452-00257-00 1000V UL / TÜV, 1.8m cable, MC4 comparable

452-00261-12 1500V UL / TÜV, 1.8m cable, EVO2

### For sales info:

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