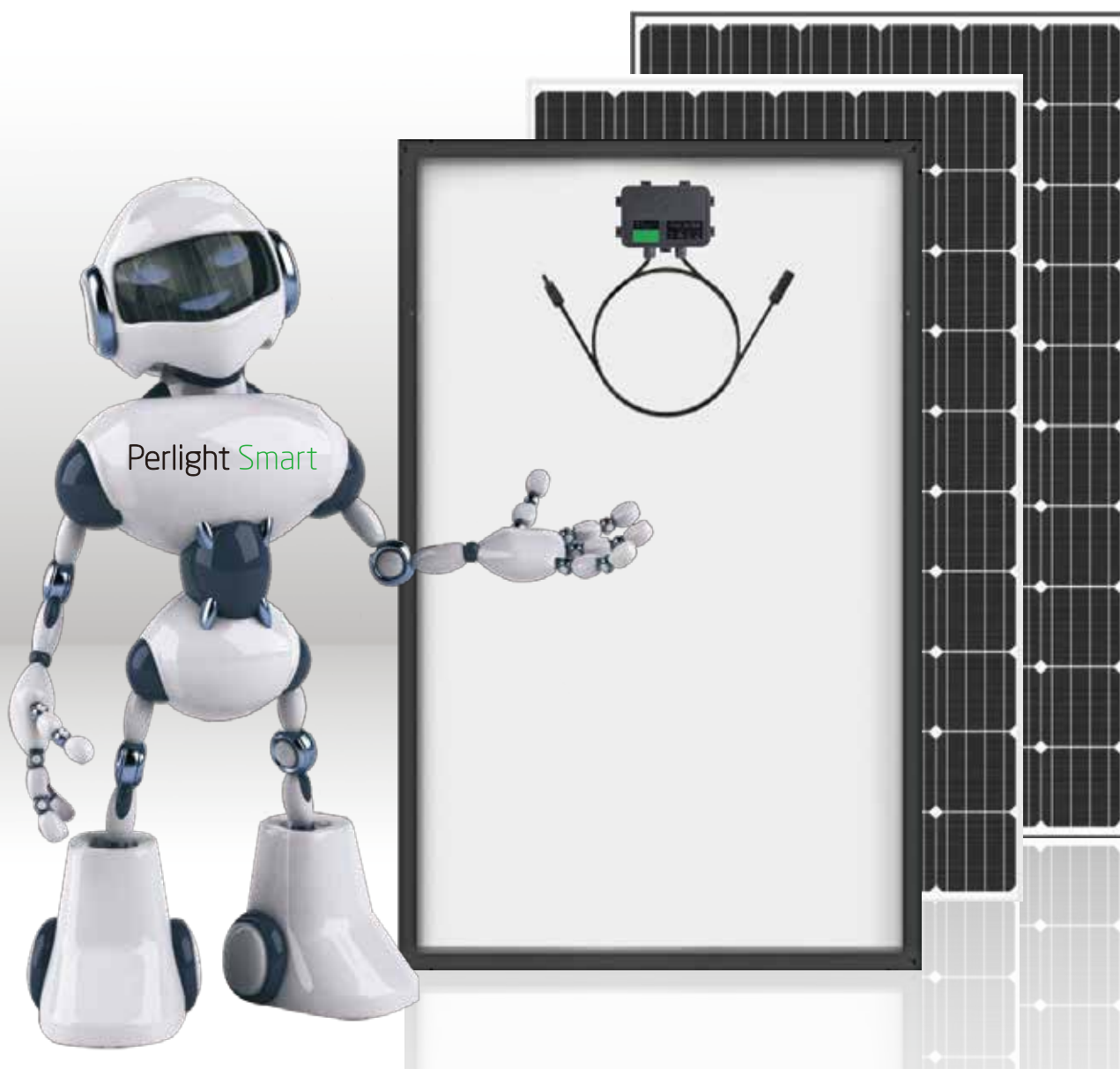


# Perlight Smart

The Optimization Solution



**PERLIGHT**  
smart.black



Safer Solar



Maximized Energy Harvest



More Efficient O&M



Lower BOS Costs



Highest Power Density



Fully Integrated



# MEET YOUR PROJECTS' NEEDS WITH TS4

Tigo has expanded its smart module platform to provide five levels of customization. With a universal base and a range of covers containing the Flex MLPE, TS4 increases your freedom of choice when selecting features for a particular project and budget. TS4 cover options range from standard diodes all the way to fully optimized performance and safety features.

## LONG STRINGS

TS4-L



Diodes



Monitoring



Safety



Optimization



Long Strings

- String length increased by up to 30%
- Fewer BOS components
- Faster installation
- Inverter optimization
- Lower wire-losses
- Plus all the benefits of Optimization, Safety, and Monitoring

## OPTIMIZATION

TS4-O



Diodes



Monitoring



Safety



Optimization

- Shade and mismatch tolerance
- Enhanced energy yield
- Greater design flexibility
- Maximized roof usage
- Plus all the benefits of Safety and Monitoring

## SAFETY

TS4-S



Diodes



Monitoring



Safety

- NEC 2014 690.12 rapid shutdown compliant
- Module-level deactivation
- Automatic or manual shutdown
- Plus all the benefits of Monitoring

## MONITORING

TS4-M



Diodes



Monitoring

- Reduced O&M costs
- PV-2.0 data synchronization
- Module bar code tracking
- CRM integration
- Warranty tracking
- Fleet management

## DIODES

TS4-D



Diodes

- Similar to a standard junction box
- Standardization on basic TS4 baseplate
- Field replaceable and upgradeable
- Heat dissipation away from the module