

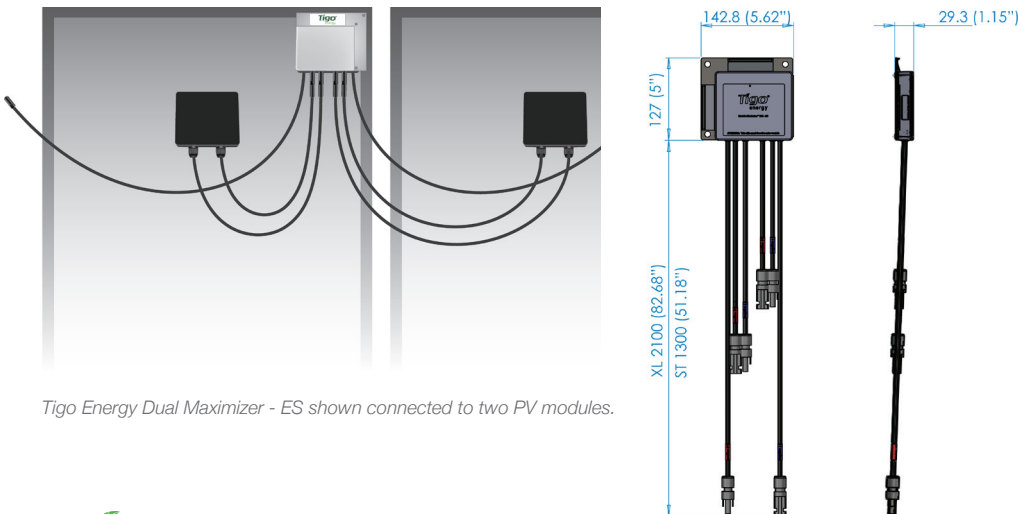


The Tigo Energy Dual Maximizer is designed to integrate seamlessly with the industry-leading Tigo Energy Maximizer System. Each unit can be used with either one or two PV modules, giving system designers added flexibility. In addition, the Dual Maximizer can be mixed with single Module Maximizers in the same system – they can be connected on the same string, and can use the same MMU and Gateway communications system simultaneously.

Dual Maximizer - ES Technical Specifications

Input data (per module)	MM-2ES50	MM-2ES75
Maximum power	300W	350W
Maximum input DC voltage (Voc)	52V	75V
Vmp range*	16-48V	30-65V
Maximum continuous current (Imp)	9.5A	6.5A
Maximum input current (Isc)	10A	7.5A
* Vmp = Voltage at maximum power = Maximum power voltage		
Output Data (DC)		
Maximum output power	600W	700W
Maximum continuous current	9.5A	6.5A
Maximum string voltage	1000V	1000V
Mechanical Data		
Operating temperature range	-30°C +70°C	
Cooling	Natural Convection	
Enclosure environmental rating	IP-65, NEMA3R	
Features		
Compliance	UL1741   TÜV EN 62109-1:2010	
Panel connector	NEC 2008 compliant, MC4 compatible (for retrofit) MC3 connectors	
Bus connector	NEC 2008 compliant 40AMP	

Specifications subject to change. Always check the table on the Tigo Energy Module Maximizer label for specifications as supported by that particular unit.



Tigo Energy Dual Maximizer - ES shown connected to two PV modules.



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Optimize the energy harvest of your PV system using the Tigo Energy Maximizer to:

- accelerate system payback
- maximize the power output of the array under any condition
- reconsider previously rejected projects because of unfavorable shade or orientation
- maintain best-in-class conversion efficiency
- manage the system with module-level data to minimize operational costs and keep the system at peak performance throughout its lifetime
- introduce an unprecedented level of safety for new and existing PV solar installations
- simplify the balance-of-system design, especially for high Voc or thin-film modules


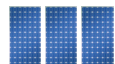
ORDERING INFORMATION:

MM - 2ES50 - MC4 - ST

50/75*.....
Maximum Voltage must be higher than PV module Voc

MC3/MC4/TYCO.....
Connector type

XL/ST**.....
Output cable length

XL (2100mm) for - 
ST (1300mm) for - 

* MM2-ES75 is available only with MC4 connectors

** MM2-ES XL version is available only with MC4 connectors