



Tigo Energy® Gateway (GTWY)

Data Sheet



The Tigo Energy Maximizer System provides more energy, active management, and enhanced safety for utility, commercial and residential solar arrays. Tigo Energy's innovative combination of hardware and software increases the output of solar arrays by up to 20 percent, enables module-level monitoring and alerts, and improves safety with module-level deactivation – all provided by a system with industry-leading cost, efficiency, and reliability. The versatile architecture works seamlessly with all standard photovoltaic modules and inverters.

The Tigo Energy Gateway provides wireless communications with each of the Tigo Energy Module Maximizers. Gateways are installed in the center of the arrays with which they are communicating, and can be conveniently mounted either to the back of a module, or to the racking.



One Gateway is shipped standard with each Maximizer Management Unit (MMU), packaged in the same box. For larger installations, additional Gateways can be ordered separately. Multiple Gateways can be daisy-chained into a single MMU (up to seven Gateways for a single MMU).

Gateway (GTWY) Technical Specifications

GTWY

Communications with Maximizer	Wireless (802.15)
Communication with Maximizer Management Unit	RS-485 cable connection; in series with other Gateways
Mounting Location	Center of array
Mounting Method	Mounted to module frame or rack. Clips included for frame mounting
Wireless Range	50ft (15m) line-of-sight
Maximum number of Module Maximizers per Gateway	120

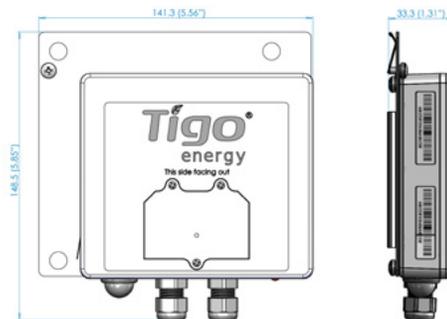
Mechanical Data

Dimensions (W x H x D)	141.3 x 48.5 x 33.3mm (with bracket)
Weight	900gm
Operating temperature range	-30°C +70°C
Enclosure environmental rating	IP 65

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

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

- accelerate system payback
- maximize the power output of individual modules
- 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



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