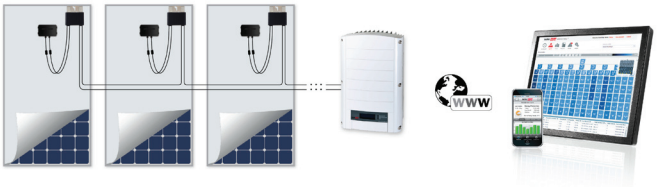
solaredge
architects of energy™

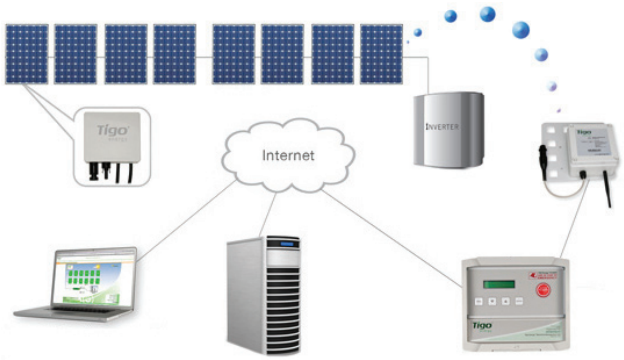
FACT SHEET

SolarEdge & Tigo – a Comparison

SolarEdge System Overview



Tigo System Overview



SOLAREDGE: MARKET LEADERSHIP

- **Quarterly run rate above 100MW**
- **Established the DC power optimizer segment and leads it with a market share of over 70%**
- **Over 1,600,000 power optimizers shipped to over 35 countries worldwide**

Benefits	Tigo	SolarEdge System
Added Energy	Minimum MPP voltage of 16V	Minimum MPP voltage of 5V. Effective power loss prevention even with 1 or 2 bypassed substrings
Safety	Limited safety solution (normally on, not fail safe, manual at remote unit) No certification	SafeDC™– Safety mechanism that ensures safe DC voltage during installation, maintenance and firefighting. String voltage is automatically set to safe DC voltage when grid or inverter is shut down (normally off, fail safe, automatic) Certified DC disconnect device in line with IEC 60947-3
Design Flexibility	Limited function across multiple orientations and different tilts Still subject to string sizing specifications of traditional inverter	Ensures flexibility with different orientations and tilts unequal string lengths and up to 50 modules per string. Full roof utilization due to power optimizers' buck-boost topology and fixed voltage inverter
Topology Hardware Requirements	Tigo Energy Module Maximizer™ requires Maximizer Management Unit and gateway on top of traditional inverter	The SolarEdge inverter is specifically designed to work with SolarEdge power optimizers Communication capabilities are built into the SolarEdge system
MPP Tracking Speed	MPP adjustment speed is limited by distant control from management unit (cycle time of seconds)	High frequency autonomous MPP tracking per power optimizer allowing immediate response to changing MPP leading to more energy harvesting
Module-Data Communication	Wireless communication: unstable & interruptible Additional gateways on the roof with additional communication cable to Maximizer Management Unit	Power Line Communication (PLC) on existing DC lines – very robust & uninterrupted
Cost	Maximizer, MMU and gateway costs add on top of traditional inverter cost Inverter cost needs to take into account comparably short warranty (5-7 years) and external monitoring hardware	The SolarEdge system includes power optimizers, cost efficient inverter with 12 years warranty and monitoring hardware at a cost comparable to a traditional inverter