



6400M
7600M



Maximize output. Perfect monitoring.

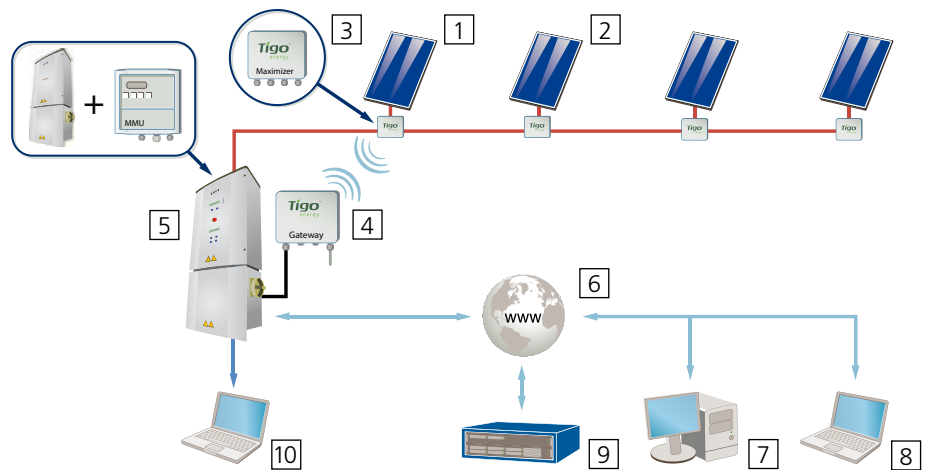
The blueplanet 6400M/7600M inverter with integrated Tigo Maximizer Management Unit (MMU)

The Tigo Maximizer system consists of two main components: the Maximizer, an electronic component which is mounted directly on the module, and the Maximizer Management Unit (MMU), which represents the higher-level intelligence of the system.

The Tigo Maximizer optimizes the output power for each module, delivers all the relevant operating data for each module in real time, and allows you to disconnect each module for safe installation, maintenance, or when fighting a fire.

The Maximizer Management Unit communicates with all of the module Maximizers (wirelessly), controls all processes in real time, and sends the operating data to an external server. This allows for an online system monitoring with access for a number of users.

With the KACO blueplanet 6400M/7600M we now offer you a compact all-in-one solution. The Management Unit (MMU) of the Tigo energy Maximizer has been integrated into a blueplanet 00xi inverter thus combining the features of both devices within a single system: optimizing, transforming and monitoring of solar energy in one with the blueplanet 6400M/7600M.



- 1 2 PV modules with differing output power (mismatch)
- 3 The KACO Maximizer guarantees an optimum energy yield. It records the data for each module and transfers this data to the Maximizer Management Unit (MMU).
- 4 The Gateway receives and transmits all operating data of the Maximizers. It forms the communication interface between the Maximizers and the MMU.
- 5 blueplanet 6400M/7600M with integrated MMU
- 6 Internet
- 7 8 Display for end consumers: data analysis and monitoring
- 9 Data evaluation and data management
- 10 Display for technical personnel



KACO blueplanet 6400M/7600M

Residential, commercial or utility scale solar

Optimizes the power output of each module

Increases overall kWh performance

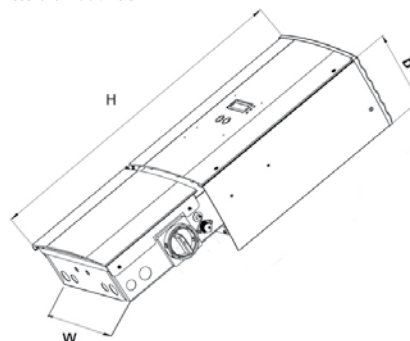
Significantly reduces shading effects on the array

Delivers module level performance data

The Fire Fighter button deactivates high DC voltage for safer wiring maintenance and emergency services

Model number	blueplanet 6400M		blueplanet 7600M
Input data (DC)			
DC operating range	240 V	320 – 550 V _{dc}	320 – 550 V _{dc}
	208 V	290 – 550 V _{dc}	290 – 550 V _{dc}
Max. DC input voltage		600* V _{dc}	600* V _{dc}
Nominal DC input current		21 A _{dc}	24 A _{dc}
Max. DC input Isc current		36 A _{dc}	36 A _{dc}
Output data (AC)			
Max. continuous output power (CEC)		6400 W	7600 W
Max. over-current protection		50 A	50 A
Max. continuous current	240 V	27 A _{ac}	32 A _{ac}
	208 V	31 A _{ac}	37 A _{ac}
	220 V	30 A _{ac}	35 A _{ac}
AC operating range	240 V	211 – 264 V	
	208 V	184 – 226 V	
	220 V	198 – 242 V (for Mexico)	
Frequency		60 Hz (59.3 – 60.5 Hz)	
Maximum efficiency	240 V	97.2%	97.1%
	208 V	96.9%	97.0%
CEC rated efficiency		96.5%	96.5%
Additional data			
DC disconnect ratings		600 V, 4 x 16 A	
Cooling		True convection - ultimate reliability, with assist fan	
DC reverse polarity protection		Yes	
Ground fault protection		Integrated residual current detector	
Grounding		Ungrounded, transformerless inverter	
Visual displays		Backlit LCD w/ convenient night switch & push button controls	
Included accessory interfaces		easyLINK RS485 & SymBus (Ethernet optional)	
Ambient temp @ max AC power		-4°F – +104°F (-20°C – + 40°C)	
Ambient operating temp		-4°F – +140°F (-20°C – + 60°C)	
Thermal protection		Yes	
Noise emissions		< 45 dB (near silent operation)	
Night power consumption		208V: 0.26W, 240V: 0.36W	
Warranty		Standard easySWAP 10 years	
Certifications			
Safety compliance		UL 1741, IEEE 1547, NEC, CSA 22.2 No.107.1-01	
Communications compliance		FCC Part 15 Class A and B	

* - Unit will only feed power if the PV voltage is less than 550Vdc.



Mechanical Specifications

Model	Height (H)	Width (W)	Depth (D)	Weight
7600xi	44 1/8 in. (1121 mm)	14 in. (356 mm)	8 7/8 in. (226 mm)	95 lbs (43 kg)
6400xi	44 1/8 in. (1121 mm)	14 in. (356 mm)	8 7/8 in. (226 mm)	95 lbs (43 kg)
Enclosure	NEMA 3R			