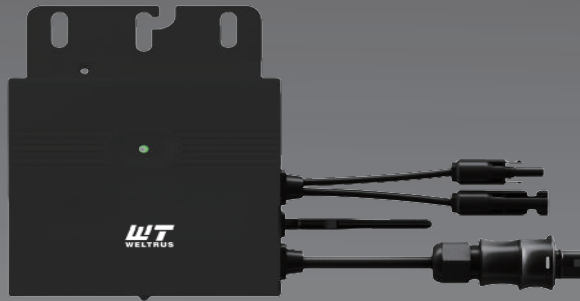


FX-TB400

Connected to one single panel.



-Type B



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

No End cap required. Perfect for balcony or garden installations.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manage the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model

FX-TB400

Input Data (DC)

Recommended Input Power Range(STC)	180W-550W+
Max. DC Input (V)	60V
Isc PV (Absolute Max.) (A)	25A
Operating Range (V)	16V-60V
Max. Input Current (A)	14A
MPPT Voltage Range (V)	22V-50V

Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	1.81A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	400W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	N/A

Efficiency

Peak Efficiency	96.5%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW

Features

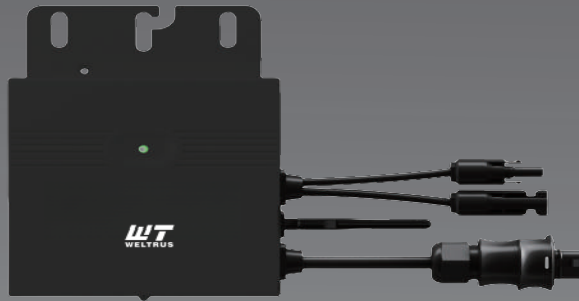
Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, CEI 0-21 UTE C15-712-1:2013, VFR 2019
Warranty	15 years (20 years optional)

Others

Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☑ High Frequency Isolated
Weight	1.8kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm

FX-TB500

Connected to one single panel.



-Type B



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

Hand-in-hand design, fewer add-ons, and fast installation.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manage the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model

FX-TB500

Input Data (DC)

Recommended Input Power Range(STC)	250W-650W+
Max. DC Input (V)	60V
Isc PV (Absolute Max.) (A)	25A
Operating Range (V)	16V-60V
Max. Input Current (A)	18A
MPPT Voltage Range (V)	22V-50V

Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	2.27A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	500W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	N/A

Efficiency

Peak Efficiency	96.5%
MPPT Efficiency	99.9%
Nighttime Power Consumption	< 100mW

Features

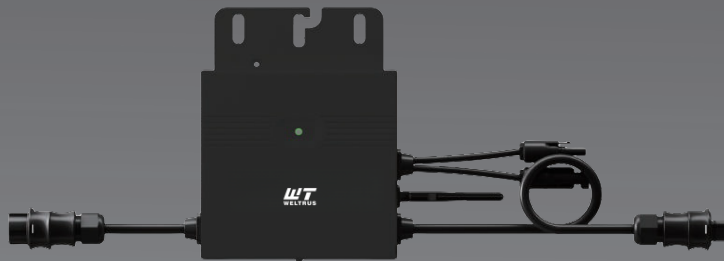
Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, CEI 0-21 UTE C15-712-1:2013, VFR 2019
Warranty	15 years (20 years optional)

Others

Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☒ High Frequency Isolated
Weight	2.1kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm

FX-TR400

Connected to one single panel.



-Type R



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

Hand-in-hand design, fewer add-ons, and fast installation.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manage the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model

FX-TR400

Input Data (DC)

Recommended Input Power Range(STC)	180W-550W+
Max. DC Input (V)	60V
Isc PV (Absolute Max.) (A)	25A
Operating Range (V)	16V-60V
Max. Input Current (A)	14A
MPPT Voltage Range (V)	22V-50V

Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	1.81A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	400W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	13 Units

Efficiency

Peak Efficiency	96.5%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW

Features

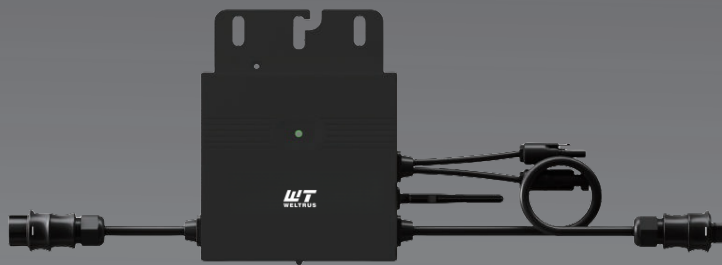
Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, CEI 0-21 UTE C15-712-1:2013, VFR 2019
Warranty	15 years (20 years optional)

Others

Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☑ High Frequency Isolated
Weight	2.1kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm

FX-TR500

Connected to one single panel.



-Type R



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

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PLUG & PLAY

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15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manage the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model	FX-TR500
Input Data (DC)	
Recommended Input Power Range(STC)	250W-650W+
Max. DC Input (V)	60V
Isc PV (Absolute Max.) (A)	25A
Operating Range (V)	16V-60V
Max. Input Current (A)	18A
MPPT Voltage Range (V)	22V-50V
Output Data (AC)	
Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	2.27A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	500W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	10 Units
Efficiency	
Peak Efficiency	96.5%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW
Features	
Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	VDE-AR-N 4105, IEC/EN61000,IEC/EN62109-1/2,EN50549-1/2019,TOR 2019, C10/11:2019,CEI 0-21 UTE C15-712-1:2013,VFR 2019
Warranty	15 years (20 years optional)
Others	
Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☒ High Frequency Isolated
Weight	2.1kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm

FX-TB600/ TB800/ TB1000

Connected to two panels



-Type B



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

Fast installation and better adaptation to small systems.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manager the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model	FX-TB600	FX-TB800	FX-TB1000
Input Data (DC)			
Recommended Input Power Range(STC)	(180W-550W+) *2	(180W-550W+) *2	(250W-650W+)*2
Max. DC Input (V)	60V	60V	60V
Isc PV (Absolute Max.) (A)	25A	25A	25A
Operating Range (V)	16V-60V	16V-60V	16V~60V
Max. Input Current (A)	14A*2	14A*2	18A*2
MPPT Voltage Range (V)	22V-50V	22V-50V	22V-50V
Output Data (AC)			
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V	189-260V
Current (Max.continuous) (A)	2.72A	3.63A	4.55A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz
Power (Max.continuous) (W)	600W	800W	1000W
Power Factor/Rated (default)	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	N/A	N/A	N/A
Efficiency			
Peak Efficiency	96.8%		
MPPT Efficiency	99.9%		
Nighttime Power Consumption	< 100mW		
Features			
Communication	PLCC (Power Line Carrier Communication) / WiFi		
Compliance	VDE-AR-N 4105, IEC/EN61000,IEC/EN62109-1/2,EN50549-1/2019,TOR 2019,C10/11:2019,CEI 0-21 UTE C15-712-1:2013,VFR 2019 (See individual datasheet for specific product certifications)		
Warranty	15 years (20 years optional)		
Others			
Ingress Protection (IP)	IP 67		
Protective Class	Class I		
Temperature (°C)	-40°C to +65°C		
Relative Humidity	0% - 98%		
Overvoltage Category	OVC III (AC Main), OVC II (PV)		
Inverter Isolation	☒ High Frequency Isolated		
Weight	4.1kg		
Dimensions (W*H*D)	264mm*194mm*35.5mm		

FX-TR600/ TR800/ TR1000

Connected to two panels



-Type R



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

Fast installation and better adaptation to small systems.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manager the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

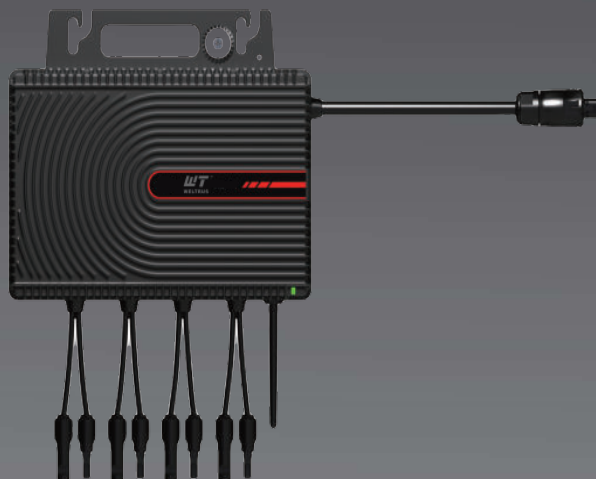
Model	FX-TR600	FX-TR800	FX-TR1000
Input Data (DC)			
Recommended Input Power Range(STC)	(180W-550W+) *2	(180W-550W+) *2	(250W-650W+)*2
Max. DC Input (V)	60V	60V	60V
Isc PV (Absolute Max.) (A)	25A	25A	25A
Operating Range (V)	16V-60V	16V-60V	16V~60V
Max. Input Current (A)	14A*2	14A*2	18A*2
MPPT Voltage Range (V)	22V-50V	22V-50V	22V-50V
Output Data (AC)			
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V	189-260V
Current (Max.continuous) (A)	2.72A	3.63A	4.55A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz
Power (Max.continuous) (W)	600W	800W	1000W
Power Factor/Rated (default)	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	8 Units	6 Units	5 Units
Efficiency			
Peak Efficiency	96.8%		
MPPT Efficiency	99.9%		
Nighttime Power Consumption	< 100mW		
Features			
Communication	PLCC (Power Line Carrier Communication) / WiFi		
Compliance	VDE-AR-N 4105, IEC/EN61000,IEC/EN62109-1/2,EN50549-1/2019,TOR 2019,C10/11:2019,CEI 0-21 UTE C15-712-1:2013,VFR 2019 (See individual datasheet for specific product certifications)		
Warranty	15 years (20 years optional)		
Others			
Ingress Protection (IP)	IP 67		
Protective Class	Class I		
Temperature (°C)	-40°C to +65°C		
Relative Humidity	0% - 98%		
Overvoltage Category	OVC III (AC Main), OVC II (PV)		
Inverter Isolation	☒ High Frequency Isolated		
Weight	4.1kg		
Dimensions (W*H*D)	264mm*194mm*35.5mm		

Microinverters

FX-T1600SE

FX-T1800SE

FX-T2000SE



Connected to four panels



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

Fast installation and better adaptation to small systems.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manager the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model	FX-T1600SE	FX-T1800SE	FX-T2000SE
Input DC Data			
Recommend Module Power Range(W)	(250W - 650W+)*4	(250W - 650W+)*4	(250W - 650W+)*4
Maximum input voltage (V)	60V	60V	60V
MPPT voltage range (V)	22V-50V	22V-50V	22V-50V
Minimum start voltage (V)	16V	16V	16V
Maximum continuous input current (A)	20A*4	20A*4	20A*4
Maximum input short circuit current (A)	25A	25A	25A
Number of MPPT	4	4	4
Output AC Data			
Maximum continuous output power(VA)	1600VA	1800VA	2000VA
Nominal output voltage/range (V)	220/230/ (189~260)	220/230/ (189~260)	220/230/ (189~260)
Maximum continuous output current (A)	7.27A	8.18A	9.09A
Nominal frequency/range (Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)
Power factor(adjustable)	+/-0.9	+/-0.9	+/-0.9
Total harmonic distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	3 Units	2 Units	2 Units
Maximum Units Per Branch (10AWG Cable)	4 Units	3 Units	3 Units
Efficiency			
Peak efficiency	96.5%	96.3%	96.0%
MPPT efficiency	99.9%	99.9%	99.9%
Night power consumption (mW)	< 100mW	< 100mW	< 100mW
Mechanical and Environment Data			
Ambient temperature range(°C)	-40~+65	-40~+65	-40~+65
Relative Humidity	0%~98%	0%~98%	0%~98%
Dimensions (W × H × D mm)	300*199.5*41mm	300*199.5*41mm	300*199.5*41mm
Weight (kg)	4.92kg	4.92kg	4.92kg
Ingress Protection	IP67	IP67	IP67
Cooling	Natural convection	Natural convection	Natural convection
Features			
Communication	PLCC/ Wi-Fi		
Compliance	IEC/EN 62109-1/-2, IEC/EN 61000-3-2/-3, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 55014-1/-2, EN 50549-1:2019, IEC/EN 62920:2017, VDE-AR-N 4105:2018, TOR 2019, OVE R25:2020, NA/EEA-NE7-CH:2022, C10/11:2019, UTE C15-712-1:2013, VFR 2019, CEI 0-21:2019, 2016/631 EU - (INC RfG),		
Inverter Isolation	High Frequency Isolated		
Overvoltage Category	OVC III (AC Main), OVC II (PV)		
Protective Class	Class I		
Warranty	15 Years (20 years optional)		