



Grid-Tie Solar Inverters

Conext Grid Tie Solar Inverter

The Conext™ TX inverter is easy to install, easy to service, and integrated with innovative features. The Conext TX can be installed as a single inverter for a single PV array or in a multiple-inverter configuration for large PV systems or three-phase applications. The sealed inverter enclosure is detachable which allows the wiring box and its AC/DC connections to remain intact for easy reinstallation. The Conext TX is integrated with Fast Sweep MPPT technology to reduce the impacts of shading on harvested energy. It is a great value in a compact, high-frequency design.

> Features

Easy to install

- Designed to be slim and lightweight (7.5" depth and 16" width)
- Easily accessible DC (PV) and AC (utility) connectors
- Requires no hardware (e.g., screws) for terminals
- Includes bracket for wall-mounting
- Capable of multiple-inverter configurations

Designed to last

- Undergoes Multiple Environmental Over Stress Testing (MEOST)
- Features detachable inverter enclosure for easy servicing

Innovative features

- Incorporates 600 V Square D™ AC/DC disconnect switch
- Negates shading effects with wide MPPT range — Fast Sweep MPP tracking
- Passive cooling eliminates need for fan and clearance room between units
- NEMA® 3R rated enclosure preserves inverter in outdoor environments

> Compatible Schneider Electric Products

- GT SIM — P.N. RNW8640203
- Communications Gateway — P.N. RNW8651055
- Conext ComBox Communication Device — P.N. RNW8651058



Make the most of your energySM



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Device short name	TX 2800 NA	TX 3300 NA	TX 3800 NA	TX 5000 NA
Electrical specifications				
Input (DC)				
Input voltage range, MPPT (CEC and CSA)	195 V to 550 V	195 V to 550 V	195 V to 550 V	240 V to 550 V
Max. input voltage, open circuit	600 V	600 V	600 V	600 V
Max. input current	15.5 A/14.9 A	18.0 A/17.5 A	20.8 A/19.5 A	22.5 A/20.5 A
Max. input short-circuit current	24 A	24 A	24 A	22.5 A/20.5 A
Reverse polarity protection	Short-circuit diode	Short-circuit diode	Short-circuit diode	Short-circuit diode
Ground fault protection	GF detection, IDIF > 1 A	GF detection, IDIF > 1 A	GF detection, IDIF > 1 A	GF detection, IDIF > 1 A
Output (AC)				
Nominal output power	2.8 kW/2.65 kW	3.3 kW/3.1 kW	3.80 kW/3.5 kW	5.0 kW/4.5 kW
Output voltage (Auto Detect)	240 V/208 V single-phase	240 V/208 V single-phase	240 V/208 V single-phase	240 V/208 V single-phase
AC voltage range	212 V to 263 V (240 V grid connection), 184 V to 228 V (208 V grid connection)	212 V to 263 V (240 V grid connection), 184 V to 228 V (208 V grid connection)	212 V to 263 V (240 V grid connection), 184 V to 228 V (208 V grid connection)	212 V to 263 V (240 V grid connection), 184 V to 228 V (208 V grid connection)
Frequency	60 Hz	60 Hz	60 Hz	60 Hz
Output current	11.8 A/13 A	14 A/15.2 A	16 A/16.8 A	21 A/22 A
Overcurrent protection	15 A	20 A	25 A	30 A
Power factor	> 0.99 (at rated power), > 0.95 (full power range)			
Harmonic distortion	< 5%	< 5%	< 5%	< 3%
Efficiency				
Maximum	95.2%/95.2%	95.6%/95.3%	96.3%/96.0%	96.7%/96.4%
CEC weighted	94.5%/94.5%	95.0%/94.5%	95.5%/95.5%	96.0%/95.5%
General specifications				
Power consumption, night time	1.3 W	1.3 W	1.3 W	1.3 W
NEMA degree of protection	Type 3R (outdoor rating)	Type 3R (outdoor rating)	Type 3R (outdoor rating)	Type 3R (outdoor rating)
Product weight	31.8 kg (70.1 lb)	32.2 kg (71.0 lb)	36.5 kg (80.5 lb)	38.9 kg (85.8 lb)
Product dimensions (H x W x D)	89.3 x 40.3 x 18.5 cm (35.2 x 15.9 x 7.3 in)	88.8 x 40.3 x 18.5 cm (35.0 x 15.9 x 7.3 in)	98.8 x 40.3 x 18.5 cm (46.0 x 22.7 x 10.2 in)	98.8 x 40.3 x 18.5 cm (38.9 x 15.9 x 7.3 in)
Shipping dimensions (H x W x D)	107.0 x 57.7 x 26.0 cm (42.0 x 22.7 x 10.2 in)	106.5 x 57.7 x 26.0 cm (42.0 x 22.7 x 10.2 in)	116.5 x 57.7 x 26.0 cm (46.0 x 22.7 x 10.2 in)	116.5 x 57.7 x 26.0 cm (46.0 x 22.7 x 10.2 in)
Device mounting	Wall mount (mounting bracket included)			
Ambient air temperature for operation	-25 °C to 65 °C (-13 °F to 149 °F)	-25 °C to 65 °C (-13 °F to 149 °F)	-25 °C to 65 °C (-13 °F to 149 °F)	-25 °C to 65 °C (-13 °F to 149 °F)
Features and options				
Type of cooling	Natural convection.			
Display type	LCD, 2 lines, 16 digits provides instantaneous power, daily and lifetime energy production, PV array voltage and current, utility voltage and frequency, time online "selling," fault messages, and installer-customizable screens.			
Communication interface	Integrated RS232 and Xanbus™ RJ45 communication ports.			
Input and output terminal	AC and DC terminals accept wire sizes of #14 to #6 AWG.			
PV/Utility disconnect	Eliminates need for external PV (DC) disconnect. Complies with NEC® requirements.			
Wiring box	PV, utility, ground, and communications connections. The inverter can be separated from the wiring box.			
Warranty	Ten-year standard.			
Regulatory approvals				
Utility monitoring, islanding protection	UL 1741-2010, Ed.2/IEEE 1547, 1547.1			

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