



## Microinverter Datasheet

**ZXIV-T1-1600-4**  
**ZXIV-T1-1800-4**  
**ZXIV-T1-2000-4**

### Description

The new generation microinverter ZXIV-T1-2000 series is designed to accommodate the high-powered PV modules, with maximum output power up to 2000 VA and maximum DC input current up to 16 A.

The innovative 4-input design enables faster installation and lower cost, and makes ZXIV-T1-2000 series a very cost-effective choice.

The new Sub-1G wireless solution enables more stable communication with gateway DTU. Smart platform Cloud Monitor System makes it possible to module-level monitoring and remote O&M.

### Features

**01** Three-phase output, more suitable for commercial and industrial applications

**02** With output power up to 2000 VA, compatible with 182 mm/210 mm PV module

**03** Grid protection relay integrated

**04** 4-in-1 design enables faster installation and comes with a lower cost

**05** Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer

**06** Sub-1G wireless solution allows stable communication in commercial and industrial settings

## Technical Specifications

Model	ZXIV-T1-1600-4	ZXIV-T1-1800-4	ZXIV-T1-2000-4
<b>Input Data (DC)</b>			
Commonly used module power (W)	320 to 540+	360 to 600+	400 to 670+
Maximum input voltage (V)	65		
MPPT voltage range (V)	16–60		
Minimum/Maximum start-up voltage(V)	22/60		
Maximum input current (A)	4 × 14	4 × 15	4 × 16
Maximum input short circuit current (A)	4 × 25		
Number of MPPTs	2		
Number of inputs per MPPT	2		
<b>Output Data (AC)</b>			
Grid Type	Three Phase		
Rated output power (VA)	1600	1800	2000
Rated output current (A)	2.32 × 3	2.61 × 3	2.9 × 3
Nominal output voltage (V)	230/400, 3W+N+PE		
Nominal frequency (Hz)	50		
Power factor (adjustable)	> 0.99 default		
Total harmonic distortion	< 3%		
Maximum units per 12 AWG branch <sup>1</sup>	8	7	6
Maximum units per 10 AWG branch <sup>1</sup>	13	12	11
<b>Efficiency</b>			
CEC peak efficiency	96.50%		
Nominal MPPT efficiency	99.80%		
Night power consumption (mW)	< 50		
<b>Mechanical Data</b>			
Ambient temperature range (°C)	-40 to +65		
Storage temperature range (°C)	-40 to +85		
Dimensions (W × H × D [mm])	326 × 222 × 40.6		
Weight (kg)	5.9		
Enclosure rating	Outdoor-IP67		
Cooling	Natural convection-No fans		
<b>Features</b>			
Communication	Sub-1G		
Type of isolation	Galvanically Isolated HF Transformer		
Monitoring	Cloud Monitor System		
Compliance	VDE-AR-N 4105: 2018, EN 50549-1:2019, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3		

\*1 Refer to local requirements for exact number of microinverters per branch.