



Micro Inverter Datasheet T6/T8



Description







Voltsmile T8 microinverter has 800W output power and is suitable for household and small-scale industrial and commercial scenarios.

Each microinverter can connect to 2 solar modules, with independent MPPT and monitoring maximizing the power production of your installation.

The whole machine adopts metal housing to promote heat dissipation and is durable, with IP67 protection level to adapt to various harsh environments.

Built-in intelligent Wi-Fi module, real-time monitoring and fault identification.

Features

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|--|---|---|---|
|  | Independent dedicated MPPT for each panel to improve power generation efficiency |  | IP67 protection level, stable operation, adapt to harsh environment |
|  | 2 Solar modules with a maximum output power of 800W |  | Plug-and-play, Quick Installation, can be connected to the home grid |
|  | Smart Wi-Fi module for real-time detection and operation maintenance |  | Built-in safety protection relay to improve safety level |

Technical Specifications

Nations	US		EU	
Model	T6	T8	T6	T8
Input Data(DC)				
Recommended solar panel input power	200-400W × 2	275-530W × 2	200-400W × 2	275-530W × 2
Number of DC input connections	MC4 × 2		MC4 × 2	
Maximum DC input voltage	55V		55V	
Operating voltage range	18-55V		18-55V	
Start-up voltage	18V		18V	
MPPT tracking range	18-55V		18-55V	
MPPT tracking accuracy	>99.5%		>99.5%	
Maximum DC input current	14A × 2		14A × 2	
Output Data(AC)				
Maximum output power	600W	800W	600W	800W
Rated output voltage	120V	120V	230V	230V
Output voltage range	90-160V	90-160V	190-270V	190-270V
Rated AC current	5A	6.6A	2.6A	3.47A
Rated output frequency	60Hz		50Hz	
Output frequency range	58.9-61.9Hz		47.5-50.5Hz	
Maximum number of branch circuit connections	120VAC: 5set		230VAC: 10set	
THD	<5%			
Power factor	>0.99			
Protection Function				
Over/under voltage protection	Yes			
Over/under frequency protection	Yes			
Anti-islanding protection	Yes			
Over current protection	Yes			
Over load protection	Yes			
Over temperature protection	Yes			
Protection grade	IP67			
Working environment temperature	-40°C to +65°C			
Indication light quantity	Working status: Led light + Wifi Signal Led light			
Communication connection mode	Wi-Fi / 2.4G			
Cooling method	Natural cooling(no fan)			
Working environment	Indoor and Outdoor			
Weight	2.8kg			
Size (L*W*H)	308 × 226 × 43mm			
Standards	VDE: VDE-AR-N 4105 A3 certification CE-LVD: EN 62109-1 EN 62109-2 CE-RED: EN300328, EN301489-1, EN301489-17, EN61000-6-1, EN61000-6-3, EN62311 UL/FCC/IEEE 1547/CA65			