

Digo

- Microinverter -



1600W/2000W | Single Phase | 4 MPPTs

TBB DG1600/2000 microinverter is designed for residential on-grid PV systems and features 4 MPPTs, supporting 4 PV modules each. This allows for independent tracking of each module, and maintaining maximum power output even if a module is shaded or fails. The DG1600/2000 operates at lower voltages, reducing high voltage risks and enhancing safety.

It includes Wi-Fi connectivity and module-level monitoring, allowing for real-time performance tracking and remote troubleshooting. Plus, the plug-and-play design facilitates easy setup and flexible expansion, optimizing energy production and ease of maintenance.

Optimal Performance

- 4 independent module-level MPPTs
- Up to 96% peak efficiency
- Compatible with a wide range of PV modules

Smart O&M

- 4-in-1 design for flexible installation and lower cost
- Plug & play for easy setup
- Modular design for easy expansion

Superior Safety & Reliability

- Low DC voltage, reducing the risk of electrical hazards
- Minimize DC arc faults, mitigating the risk of fire hazards
- IP67 rugged design for harsh environments
- Module-level monitoring for optimized performance and easy troubleshooting
- Integrated Wi-Fi communication

Model	DG1600	DG2000
Input Data (DC)		
Recommended solar panel input power (W)	275-530 × 4	275-530 × 4
Number of DC input connections	MC4 × 4	
Maximum input voltage (V)	60	
DC voltage input range (V)	16-60	
Start-up voltage (V)	22	
MPPT voltage range (V)	22-55	
MPPT efficiency	>99.5%	
Maximum DC input current (A)	14*4	16*4
Output Data (AC)		
Maximum output power (W)	1600	2000
Nominal output voltage (V)	230	
Output voltage range (V)	190-270	
Maximum output current (A)	6.95	8.69
Nominal output frequency (Hz)	50 / 60	
Output frequency range (Hz)	47.5-50.5 / 58.9-61.9	
Harmonic distortion	<5%	
Power factor	>0.99	
Peak efficiency	96%	
Protection level	Class I	
Protection Function		
Over/under voltage protection	Yes	
Over/under frequency protection	Yes	
Anti-islanding protection	Yes	
Overcurrent protection	Yes	
Overload protection	Yes	
Overtemperature protection	Yes	
Protection category	IP67	
Operating temperature range (°C)	-40 to +65	
Indicator	Working status Led + Wi-Fi signal Led	
Communication	Wi-Fi / 2.4G	
Cooling method	Natural cooling (No fans)	
Working environment	Indoor / Outdoor	
Weight (kg)	5.2	
Dimensions (W × H × D) (mm)	342*225.4*50	
Compliance	VDE: VDE-AR-N 4105; CE-LVD: EN62109-1, EN62109-2; Rohs: IEC62321	