Digo

- Microinverter -

TBB DG400/500/600 microinverter is designed for residential on-grid PV systems and features 1MPPT, supporting 1 PV module each. This allows for independent tracking of each module, and maintaining maximum power output even if a module is shaded or fails. The DG400/500/600 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 trouble-shooting. Plus, the plug-and-play design facilitates easy setup and flexible expansion, optimizing energy production and ease of maintenance.

Optimal Performance

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

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

Smart O&M

- 1-in-1 design for flexible installation and lower cost
- Plug & play for easy setup
- Modular design for easy expansion
- Module-level monitoring for optimized performance and easy troubleshooting
- Integrated Wi-Fi communication

Model	DG400	DG500	DG600
Input Data (DC)			
Recommended solar panel input power (W)	200-430 × 1	200-530 × 1	200-625 × 1
Number of DC input connections	MC4 × 1		
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*1	16*1	18*1
Output Data (AC)			
Maximum output power (W)	400	500	600
Nominal output voltage (V)	230		
Output voltage range (V)	190-270		
Maximum output current (A)	1.74	2.17	2.6
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)	1.9		
Dimensions (W × H × D) (mm)	181*193*38.5		
Compliance	EN50549; EN62109; IEC62321		