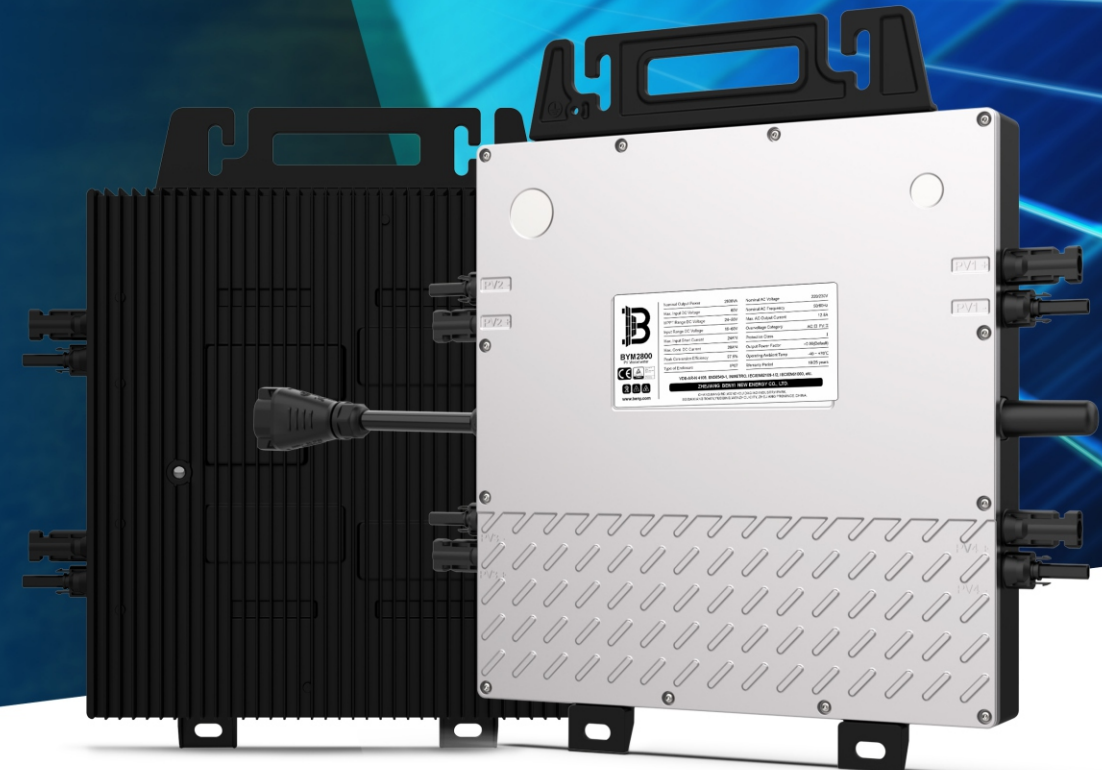




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BENY Microinverter

BYM2000/2400/2800



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📄 This catalogue has been printed on ecological paper.

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⚠ If the models and specifications in this product catalogue change due to product updates, we will not provide prior notification.

Importer:xxx

Address:xxx



VERSION: 20240801-01



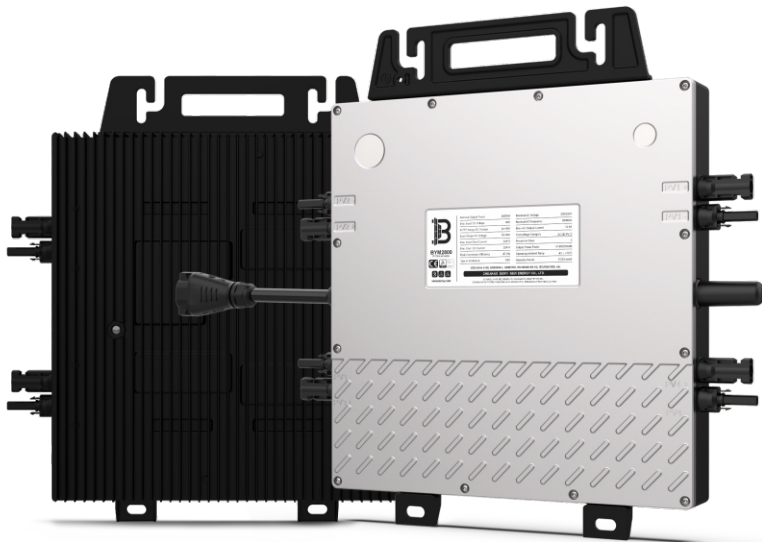
Type Approved
Safety
Regular Production
Surveillance

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ID 1111279295

Datasheet

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ZBENY



Description

With the maximum output power of 2000VA/2400VA/2800VA, BYM2000/2400/2800 microinverters connect to 4 modules and enable module-level maintenance and management of the PV station by monitoring power generation of each module. Module-level data can be uploaded to the monitoring platform via BENY data transfer units through PLCC/Wi-Fi.

Maximum output power up to 2000VA/2400VA/2800VA , adapted to 60~75-cell or 120~150 half-cell PV modules

Static MPPT efficiency 99.80%

High reliability, IP67 (NEMA 6) enclosure



SAFETY
Low DC voltage.

QUALITY
Components selected from world-class brands.

OPTIMIZATION
High efficiency for each module.

PARALLEL INPUT
20A continuous input.

FLEXIBILITY
Adapts to any system size and optimizes space.

PLUG & PLAY
AC BUS design, no single point of failure.

25 YEARS
30-year design life, up to 25-year warranty.

SMART
Module-level online smart monitoring.

Model	BYM2000	BYM2400	BYM2800
Input Data (DC)			
Recommended input power (STC)	400~750W+	480~900W+	560~1050W+
MPPT voltage range	24V~50V		
Operating voltage range	16V~60V		
Maximum input voltage	60V		
Max. short circuit current	20A*4		24A*4
Max. input current	18A*4		20A*4
Output Data (AC)			
Rated output power	2000VA	2400VA	2800VA
Rated voltage (range)	230V (176V~265V)		
Rated frequency (range)	50Hz/60Hz (46.5Hz~62Hz)		
Maximum continuous output current	9.10A	11.0A	12.8A
Maximum harmonic distortion	<4%		
Power factor	>0.99 (Default)		
Maximum connection number in one string (PLCC) (30A circuit breaker, 12AWG cable)	3 units	2 units	2 units
Maximum connection number in one string (Wi-Fi) (40A circuit breaker, 10AWG cable)	4 units	3 units	2 units
Efficiency			
Peak efficiency	97.5%		
MPPT efficiency	>99.8%		
Night power consumption	<100mW		



Other Parameters	
Communication method	PLCC/Wi-Fi (Optional)
Safety protection	Class I
Enclosure rating	IP67
Operating temperature	-40°C to +70°C
Storage temperature	-40°C to +85°C
Relative humidity	0~98%
Transformer design	High frequency transformer, Electrical isolated
Overvoltage class	OVC III (AC), OVC II (PV)
Warranty period	12 / 25 years (Optional)
Dimensions (L*W*H mm)	389*302*43
Weight (kg)	7.45
Safety regulations	IEC/EN 61000-6, CISPR11+A1+A2, IEC/EN 62109-1/2, EN 505491:2019 VDE-AR-N 4105:2018/DIN VDE 0124:2020, AS 4777.2 :2020, INMETRO, UTE C15-712-1/DIN VDE 0126/VFR 2019, G98, CEI 021:2020, NC RFG, NTS DAKKS .

Monitoring Device

Communication with BENY microinverters through PLCC/Wi-Fi enables users to manage the systems in a smart digital way.

