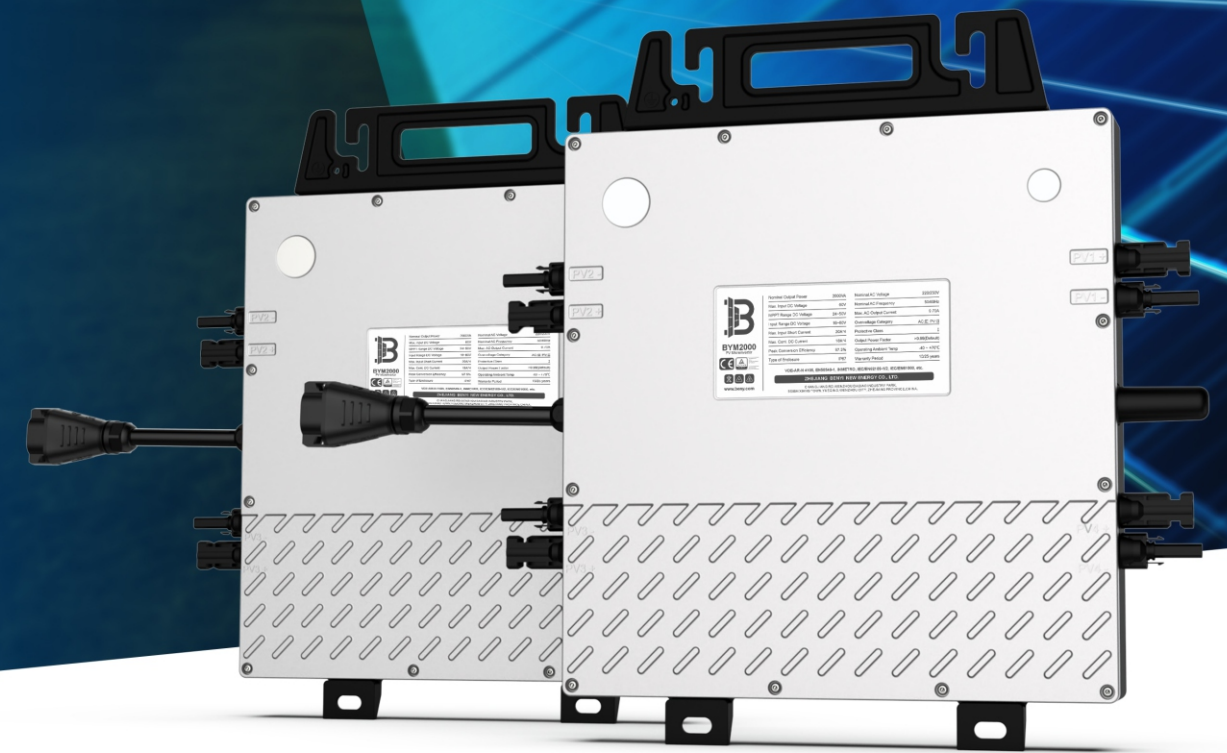




pvb.com

PV Microinverter BENY

BYM2000



ZHEJIANG BENYI NEW ENERGY CO.,LTD.

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

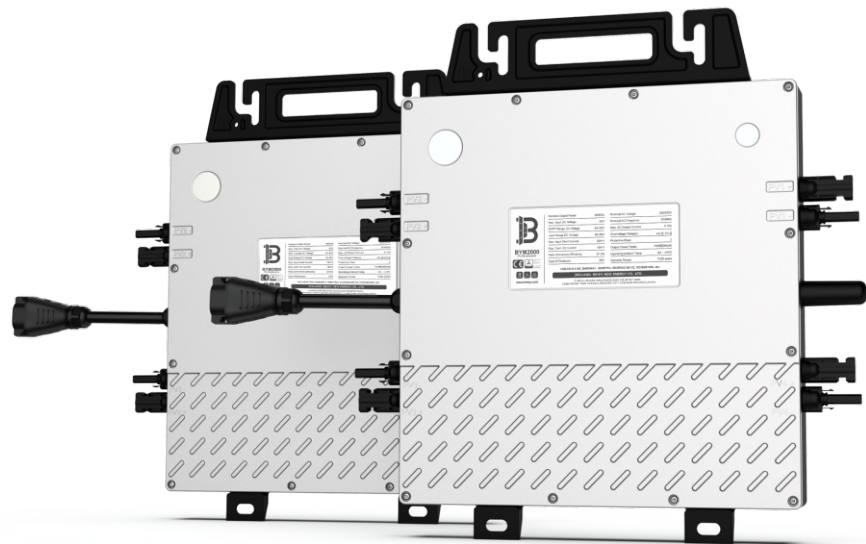


VERSION: 20240119-01

Datasheet

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BENY



Description

With the maximum output power of 2000VA, BYM2000 microinverter 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 , 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, and invisible.

QUALITY
Components selected from world-class brands.

OPTIMIZATION
High efficiency for each module.

PARALLEL INPUT
18A continuous input.

FLEXIBILITY
Adapts to any system size and optimizes space.

PLUG & PLAY
AC BUS design, no SPOF.

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

SMART
Module-level online smart monitoring.

Input Data (DC)	
Model	BYM2000
Recommended input power(STC)	(450~750)W*4 , 60~75-cell/120~150 half-cell (350~550)W*8 , 66~75-cell/132~150 half-cell
MPPT voltage range	24V~50V
Operating voltage range	16V~60V
Maximum input voltage	60V
Max. short circuit current	20A*4
Max. input current	18A*4
Output Data(AC)	
Rated output power	2000VA
Rated voltage(range)	230V(196V~265V)
Rated frequency(range)	50Hz/60Hz (46.5Hz~62Hz)
Maximum continuous output current	9.10A
Maximum harmonic distortion	<4%
Power factor	>0.99 (Default)
Maximum connection number in one string (PLCC)	3 units (30A circuit breaker, 10AWG cable)
Maximum connection number in one string (Wi-Fi)	4 units (40A circuit breaker, 10AWG cable)
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	10 / 25years (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 50549-1:2019 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 0-21:2020, 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.

