



# Microinverter BENY

**BYM2000/2400/2800**



## ZHEJIANG BENYI NEW ENERGY CO.,LTD.

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VERSION : 20230712

For the latest version of specification, please refer to [www.beny.com](http://www.beny.com) or contact to [benyi@zbeny.com](mailto:benyi@zbeny.com)  
We reserve the right to explain the terms of specification.



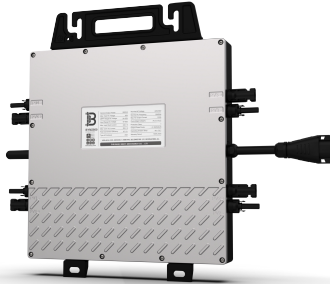
Type Approved  
Safety  
Regular Production  
Surveillance

[www.tuv.com](http://www.tuv.com)  
ID 1111261891

## Datasheet

[WWW.BENY.COM](http://WWW.BENY.COM)

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## Description

With the maximum output power of 2000/2400/2800VA, BYM2000/2400/2800 microinverter connect to 4 module 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 Wi-Fi.



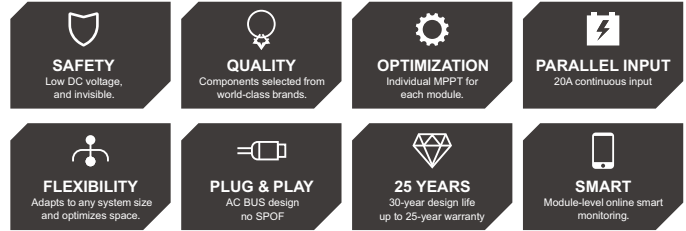
Maximum output power up to 2000/2400/2800VA channel, adapted to 60~75-cell or 120~150-half-cell PV modules



Static MPPT efficiency 99.80%



High reliability, IP67 (NEMA 6) enclosure



## Input Data (DC)

Model	BYM2000	BYM2400	BYM2800
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		24A*4
Max. input current	18A*4		20A*4

## Output Data(AC)

Rated output power	2000VA	2400VA	2800VA
Rated voltage(range)	230V(196V~265V)		
Rated frequency(range)	50Hz/60Hz (46.5Hz~62Hz)		
Maximum continuous output current	9.70A	11.0A	12.8A
Maximum harmonic distortion	<4%		
Power factor	>0.99 (Default)		
Maximum connection number in one string	4 units (40A circuit breaker, 10AWG cable)	3 units (40A circuit breaker, 10AWG cable)	2 units (40A circuit breaker, 10AWG cable)

## Efficiency

Peak efficiency	97.5%
MPPT efficiency	>99.8%
Night power consumption	<100mW

## Other Parameters

Communication method	Wi-Fi
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)	7.2
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, etc.

## Monitoring Device

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

