



# BENY Microinverter

BYM800



## ZHEJIANG BENYI NEW ENERGY CO.,LTD.

CHANGJIANG RD, WENZHOU DAQIAO INDUSTRY PARK, BEIBAIXIANG TOWN, YUEQING, WENZHOU CITY, ZHEJIANG PROVINCE, CHINA

TEL: +86-577-5717 7008 FAX: +86-577-5717 7007

info@beny.com

www.pvb.com

This catalogue has been printed on ecological paper.

Zhejiang Benyi New Energy Co., Ltd. All rights reserved.

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



VERSION: 20240605-01



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 1111278316

## Datasheet

www.pvb.com





### Description

With the maximum output power of 800VA , BENY BYM800 microinverters can connect to 1 or 2 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 800VA , 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**  
26A 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.

Input Data (DC)	
Model	BYM800
Recommended input power (Single)	(STC) 600~900+ Wp , 60 ~75-cell/120~150 half-cell
Recommended input power (Dual)	(STC) (350~600 Wp)*2 , 72~75-cell/144~150 half-cell (NMOT) Vmp≥32V and Imp≤15A
MPPT voltage range	24V~50V
Operating voltage range	16V~60V
Maximum input voltage	60V
Max. short circuit current	30A*1/20A*2
Max. input current	26A*1/13A*2
Output Data (AC)	
Rated output power	800VA
Maximum output power	800VA (Vac≥230,Vmp≥35)
Rated voltage (range)	230V (176V~265V)
Rated frequency (range)	50Hz/60Hz (46.5Hz~62Hz)
Maximum continuous output current	3.64A
Maximum harmonic distortion	<4%
Power factor	>0.99 (Default)
Maximum connection number in one string (PLCC) (30A circuit breaker, 10AWG cable)	8 units
Maximum connection number in one string (Wi-Fi) (40A circuit breaker, 10AWG cable)	10 units
Efficiency	
Peak efficiency	96.5%
MPPT efficiency	>99.8%
Night power consumption	<100mW

Other Parameters	
Communication method	PLCC/Bluetooth+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)	268.5*215*40
Weight (kg)	3.6
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.

