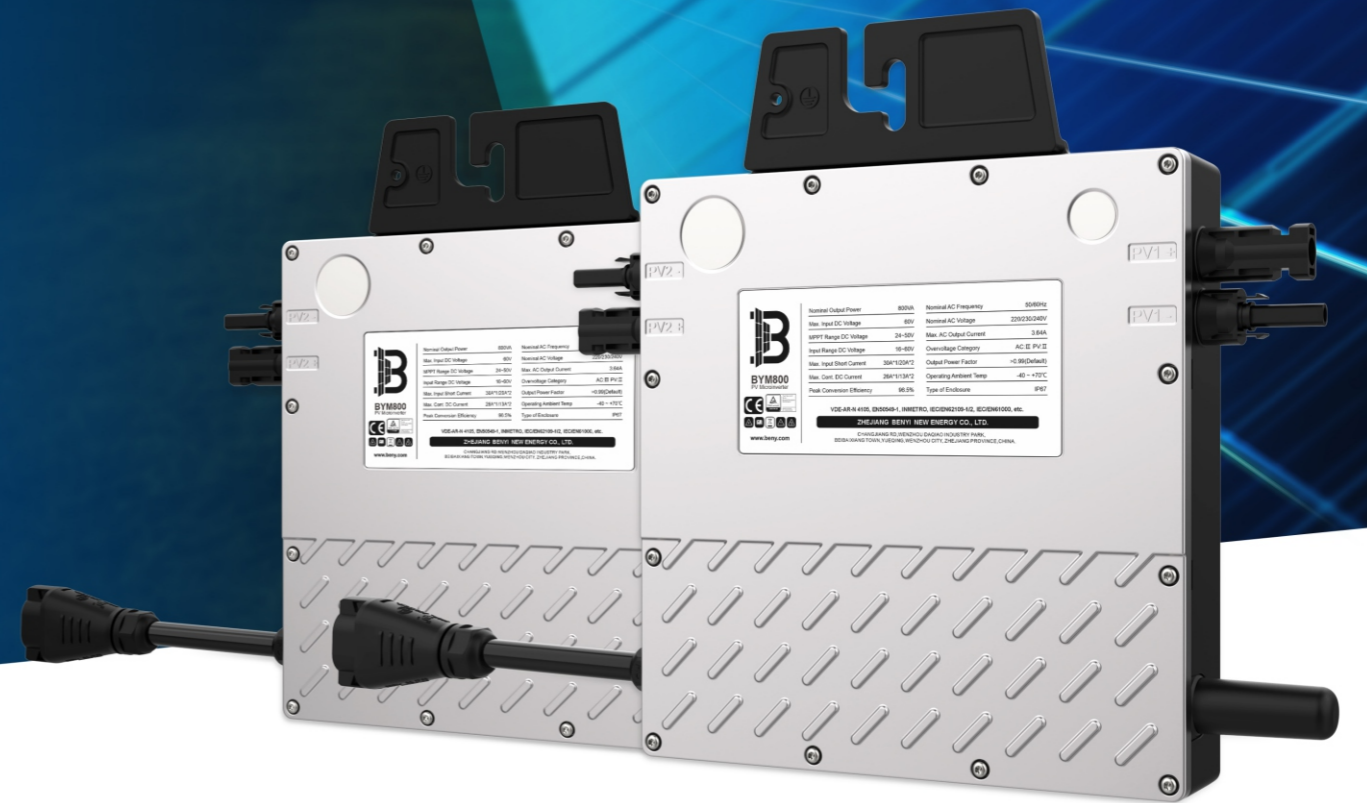




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# PV Microinverter BENY

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@benyi.com

🌐 www.benyi.com

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

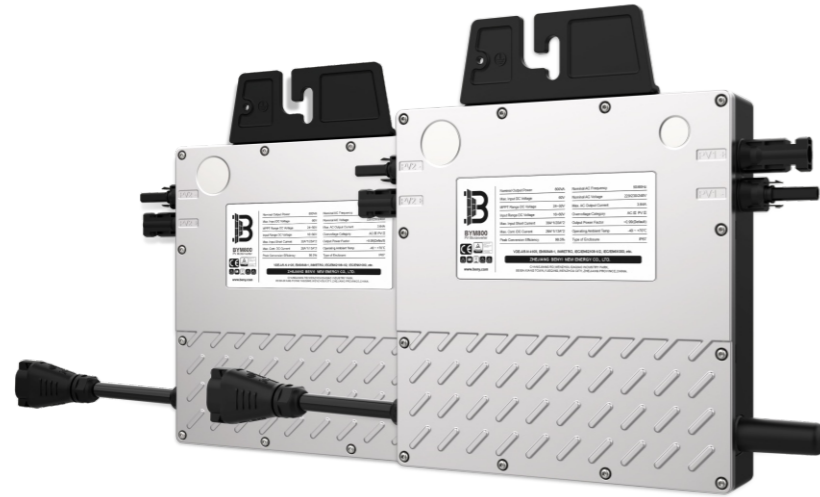


VERSION: 20240123-01

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## Datasheet







### Description

With the maximum output power of 800VA , BENY BYM800 microinverter 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.

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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 SPOF.
- 

**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)	8 units (30A circuit breaker, 10AWG cable)
Maximum connection number in one string (Wi-Fi)	10 units (40A circuit breaker, 10AWG cable)
Efficiency	
Peak efficiency	96.5%
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)	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.

