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## Headquarters

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## Business Centers

### Europe

- **Germany:** Rudower Chaussee 52, 12489 Berlin, Berlin, DE

### Asia

- **Hong Kong:** Room 63, 7th Floor, Huan Li Commercial Building, 7-9 Austin Road, Tsim Sha Tsui, Kowloon, Hong Kong, China
- **Shanghai:** Room 2007, Jinmao Tower, 88 Shiji Boulevard, Pudong, Shanghai, China
- **Hangzhou:** Building 7, 12th Floor, Innovation Green Valley Development Center, Shangcheng District, Hangzhou, Zhejiang, China

### Americas

- **Brazil:** Belo Horizonte, Minas Gerais, Brazil

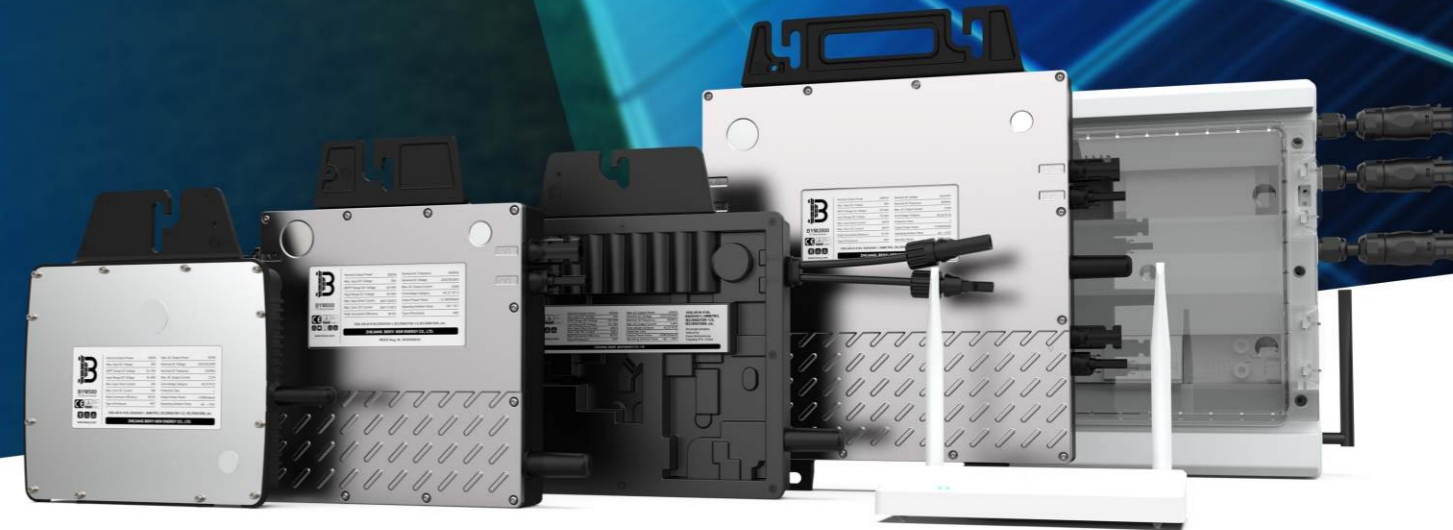


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# Product Brochure



**2025  
For Europe**

# Trunk Series BYM800/900/1000L



## Why choose our product?

- 
**More Secure**  
 Zero fire risk with up to 60Vdc low DC voltage vs conventional string system
- 
**More Reliable**  
 IP67 waterproof, standard 12 years warranty, extendable to 25 years
- 
**Easily Expandable**  
 Easy system expansion and lower cost, ready for the future
- 
**Highly Compatible**  
 Up to 14A\*2 DC input current, capable working with most types of PV modules
- 
**Multi-scenario**  
 Offering multiple communication technology with Wi-Fi, Bluetooth & PLCC, adapts to various installation scenarios

## Highlights

- High-powered dual-in microinverter with output power up to 800VA/900VA/1000VA
- Working at -40°C to +70°C with no more than 10% derating at 55°C
- Compatible with 2 PV modules and up to 14A\*2 continuous input current
- PLCC & Wi-Fi stable communication for module-level monitoring
- Intuitive and efficient energy management by mobile app and web platform
- Compatible with mono type, film modules, and roof tile modules
- Flexible installation in scenarios like balcony, garden, rooftop, etc.

## Microinverter di Flash 800

Microinverters

## Datasheet



Model	BYM800	BYM900	BYM1000L
<b>Input Data (DC)</b>			
Recommended input power (STC)	320~600W+	360~675W+	384~720W+
MPPT voltage range	24V~50V		
Operating voltage range	16V~60V		
Maximum input voltage	60V		
Max. short circuit current	20A*2		
Max. input current	13A*2	13.5A*2	14A*2
<b>Output Data (AC)</b>			
Rated output power	800VA	900VA	960VA
Maximum output power	800VA (Vac≥220, Vmp≥34)	900VA (Vac≥220, Vmp≥35)	1000VA (Vac≥238, Vmp≥40)
Rated voltage (range)	230V (176V~265V)		
Rated frequency (range)	50Hz/60Hz (46.5Hz~62Hz)		
Maximum continuous output current	3.64A	4.09A	4.36A
Maximum harmonic distortion	<4%		
Power factor	>0.99 (Default)		
Maximum connection number in one string (PLCC) (30A circuit breaker, 4mm <sup>2</sup> cable)	8 units	7 units	6 units
Maximum connection number in one string (Wi-Fi) (40A circuit breaker, 6mm <sup>2</sup> cable)	10 units	9 units	9 units
<b>Efficiency</b>			
Peak efficiency	96.5%		
MPPT efficiency	>99.8%		
Night power consumption	<100mW		
<b>Other Parameters</b>			
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 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 .		

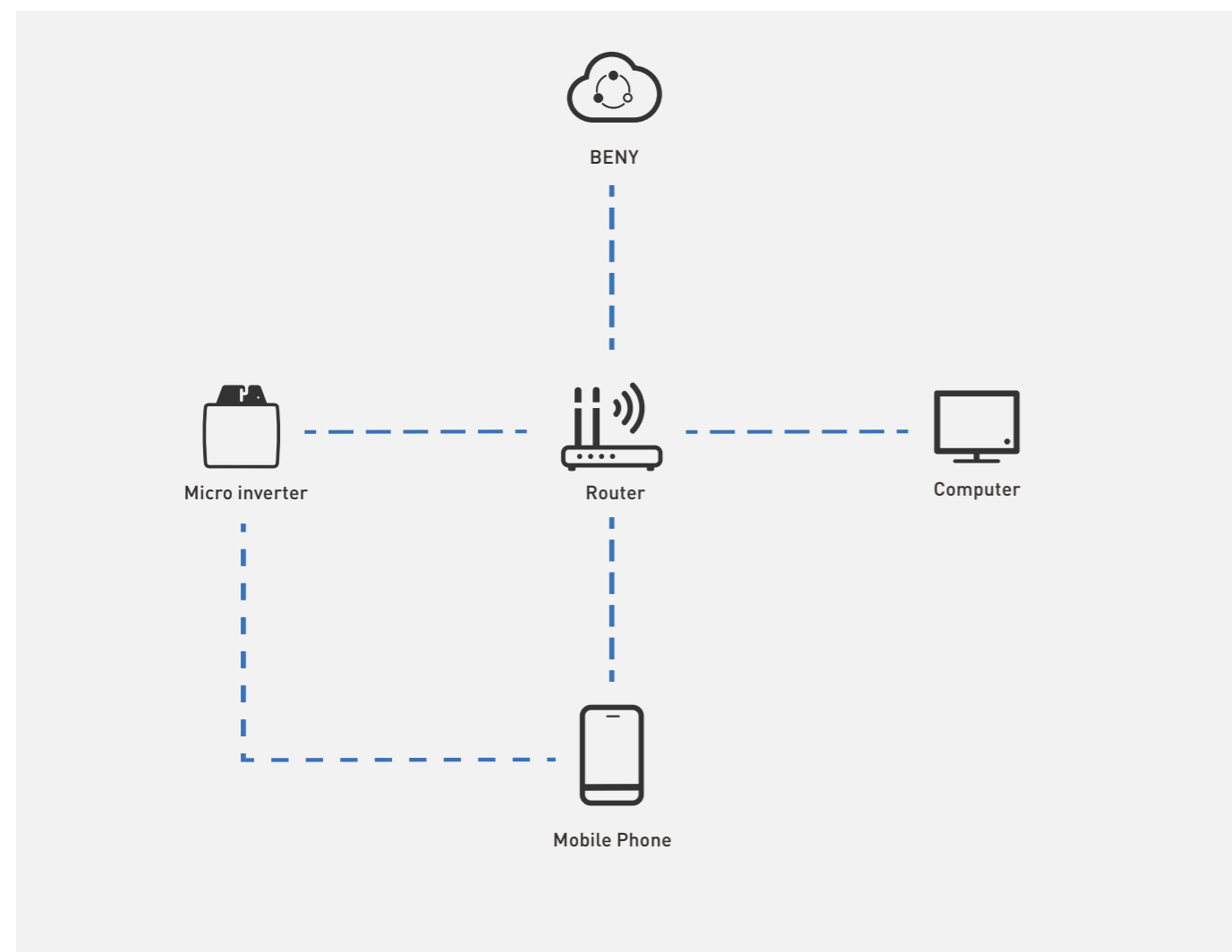
# Efficient Monitoring via Different Communication Methods

## Wi-Fi + Bluetooth

The microinverter connects directly to the WAN and transmits system data to the cloud platform in real-time. Devices such as computers and mobile phones connect to the WAN to access this data for monitoring and management.

**Compatible platforms:** ZJBENY PV Data Management Platform & PVB Cloud app

**Network configuration methods:** Access Point (AP) mode + Bluetooth mode



## PLCC

The microinverter connects to the gateway and transmits system data in real-time via PLCC. The gateway then uploads this data to the cloud platform via WAN, allowing devices such as computers and mobile phones to access for monitoring and management purposes when connected to the same WAN.

**Compatible platforms:** ZJBENY PV Data Management Platform & PVB Cloud app

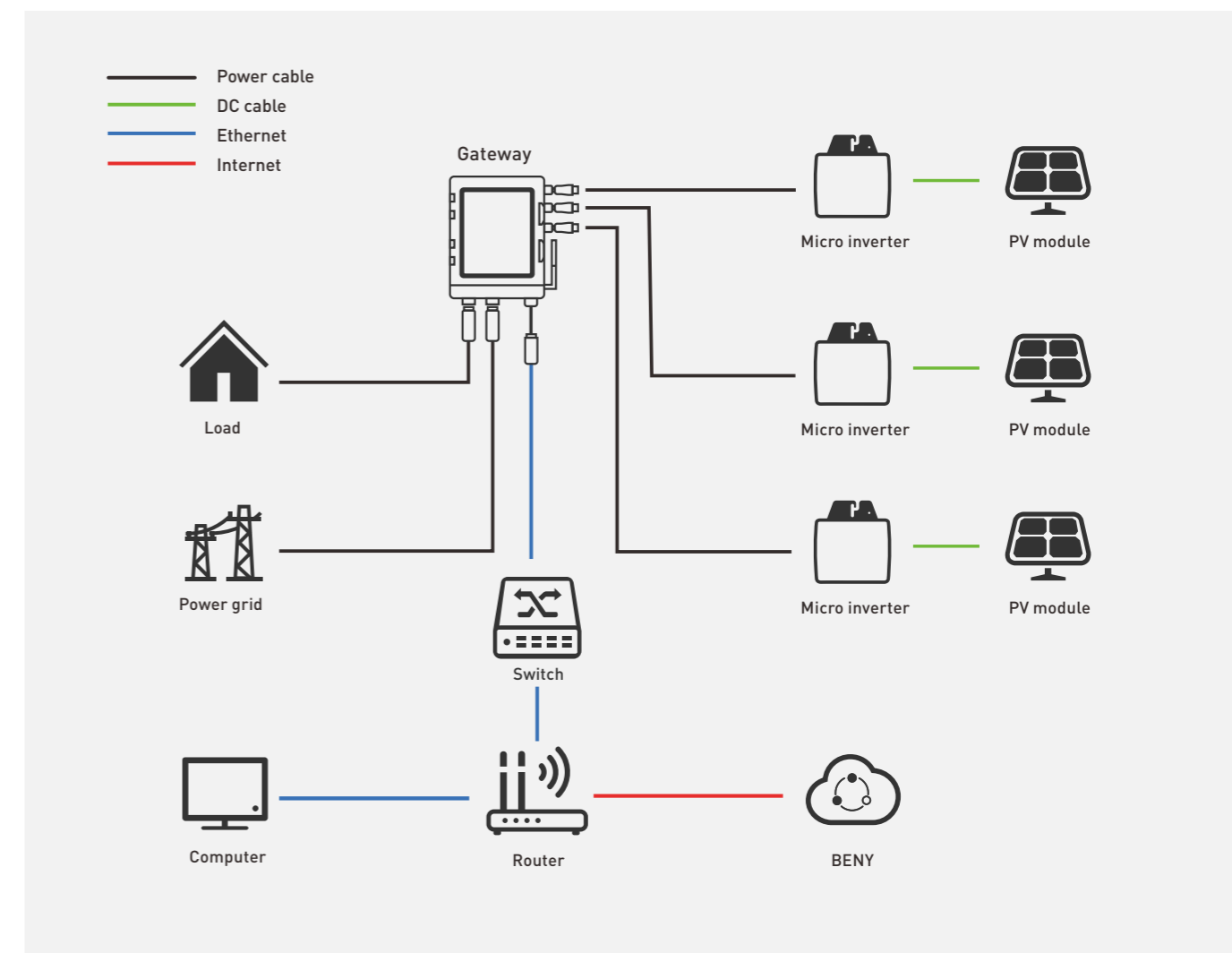
**Network configuration method:** Connected via gateway

### Advantages of gateway:

- Local storage of system data
- Self-generation and self-consumption with zero feedback to the grid

### Benefits of filter:

- Enhance PLCC within the local network of monitoring devices and microinverters
- Filter out the interference of PLCC signals to the power grid
- Prevent crosstalk between multiple EMU and microinverter systems



# Micro Energy System