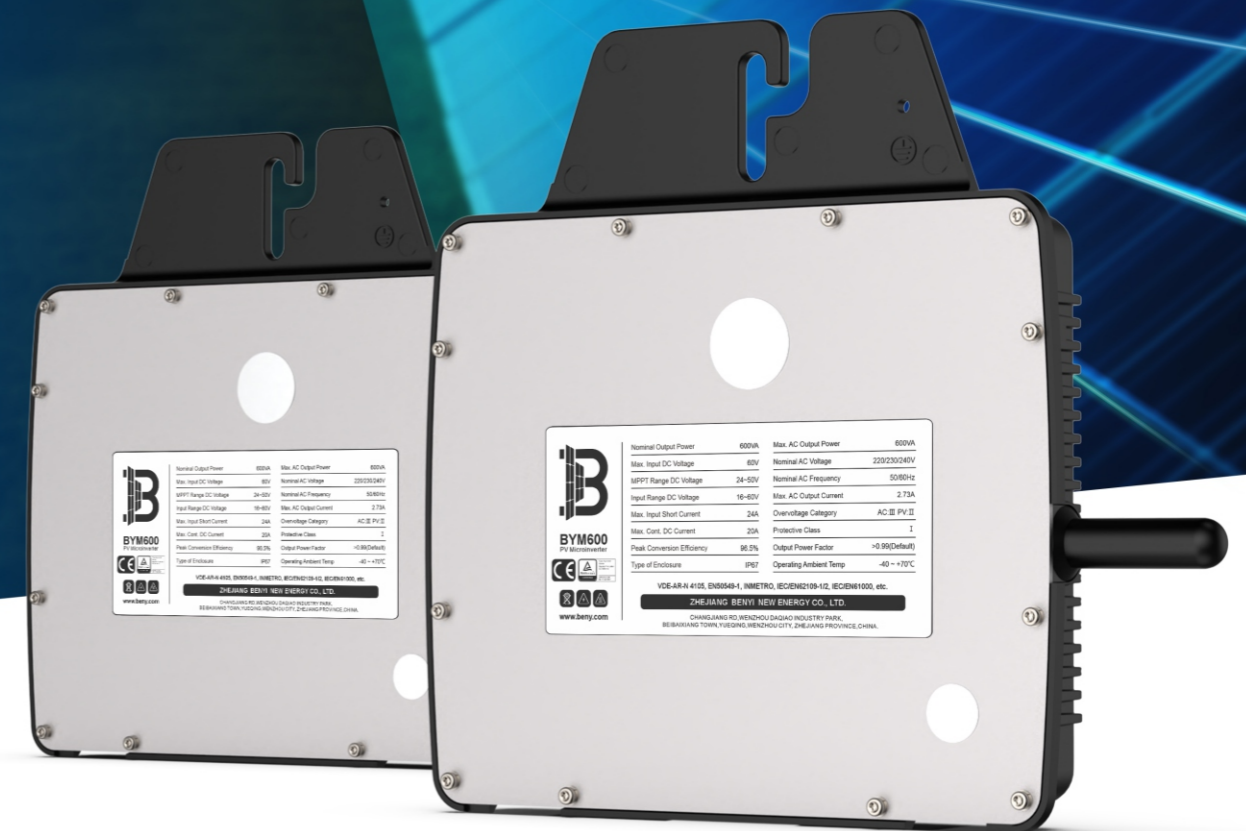




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PV Microinverter BENY

BYM600



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.beny.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.



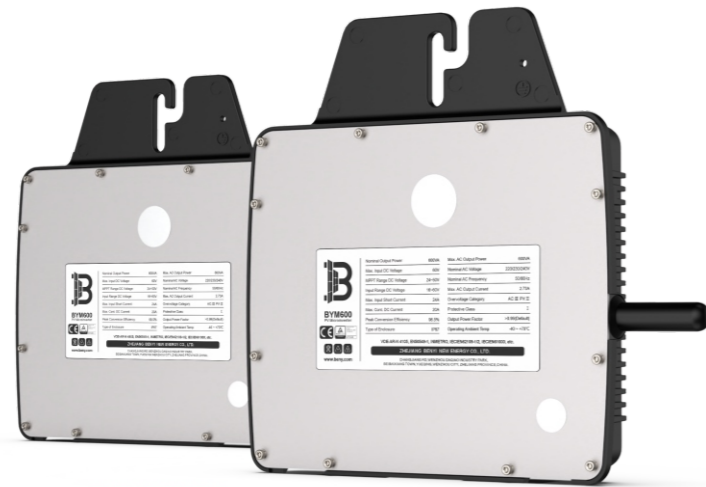
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Datasheet





Description

With the maximum output power of 600VA, BENY BYM600 microinverter connect to 1 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 PLCC/Wi-Fi.

- Maximum output power up to 600VA channel, 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**
20A 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 | BYM600 |
| Recommended input power(Single) | (STC) 400~700+ Wp , 60 ~75-cell/120~150 half-cell |
| Recommended input power(Dual) | (STC) [300~450 Wp]*2 , 72~75-cell/144~150 half-cell (NMOT) Vmp>34V and Imp<=12A |
| MPPT voltage range | 24V~50V |
| Operating voltage range | 16V~60V |
| Maximum input voltage | 60V |
| Max. short circuit current | 24A |
| Max. input current | 20A |
| Output Data(AC) | |
| Rated output power | 600W |
| Maximum output power | 600VA (Vac>=220,Vmp>=33) |
| Rated voltage(range) | 230V(176V~265V) |
| Rated frequency(range) | 50Hz/60Hz (46.5Hz~62Hz) |
| Maximum continuous output current | 2.73A |
| Maximum harmonic distortion | <4% |
| Power factor | >0.99 (Default) |
| Maximum connection number in one string (PLCC) | 10 units (30A circuit breaker, 10AWG cable) |
| Maximum connection number in one string (Wi-Fi) | 14 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) | 210*230*34 |
| Weight(kg) | 2.39 |
| 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.

