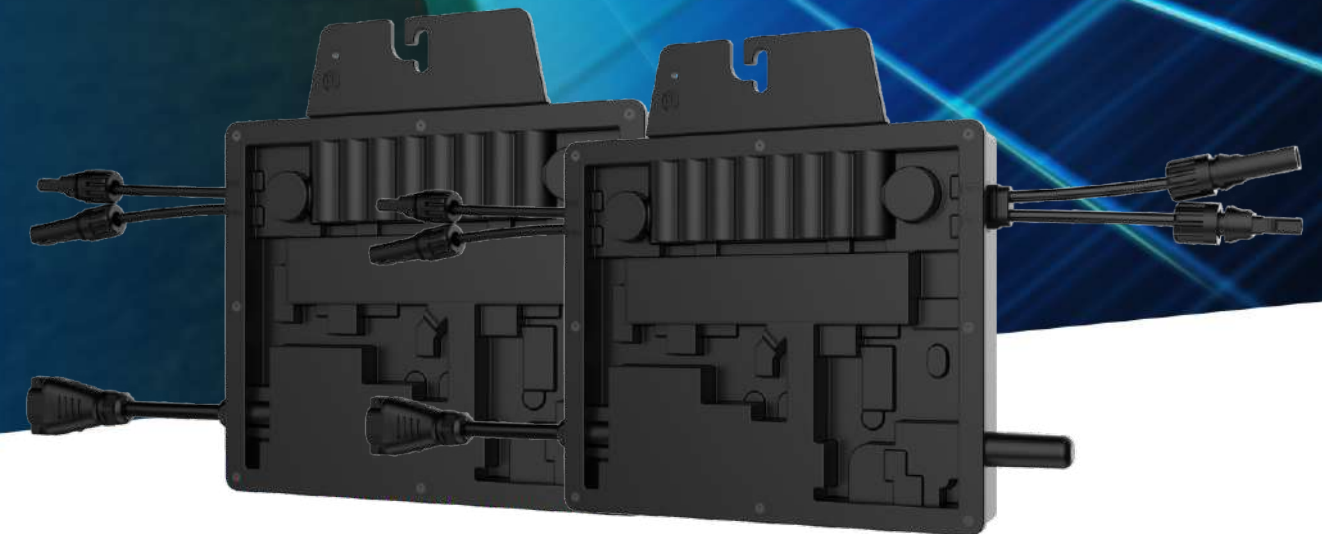




pvb.com

BENY Microinverter

BYM1200



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.

Importer:xxx

Address:xxx



VERSION: 20240319-01



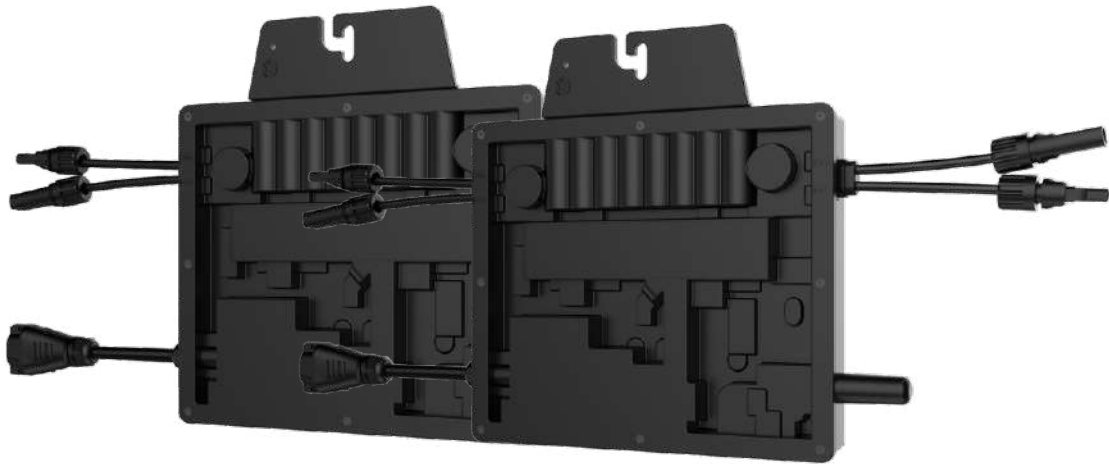
Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111279296

Datasheet

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ZBENY



Description

With the maximum output power of 1200VA,BENY BYM1200 microinverter connect to 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 1200VA 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

Individual MPPT for each module



PARALLEL INPUT

18A 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	BYM1200
Recommended input power(STC)	[450~750]W*2,60~75-cell/120~150 half-cell [350~550]W*4,66~75-cel1/132~150 half-cell
MPPT voltage range	24V~50V
Operating voltage range	16V~60V
Maximum continuous output current	60V
Max. short circuit current	20A*2
Max. input current	18A*2

Output Data(AC)

Rated output power	1200W
Maximum output power	1200VA (Vac≥230,Vmp≥36)
Rated voltage(range)	230V(176V~265V)
Rated frequency(range)	50Hz/60Hz(46.5Hz~62Hz)
Maximum continuousoutput current	5.45A
Maximum harmonic distortion	<4%
Power factor	>0.99 (Default)
Maximum connection number in one string(PLCC)	5 units (30A circuit breaker, 10AWG cable)
Maximum connection number in one string(Wi-Fi)	7 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 II (AC), OVC I (PV)
Warranty period	10/25years (Optional)
Dimensions(L*W*H mm)	272.9*260.9*34.5
Weight(kg)	3.5
Safety regulations	IEC/EN61000-6,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,CEI0-21:2020, 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.

