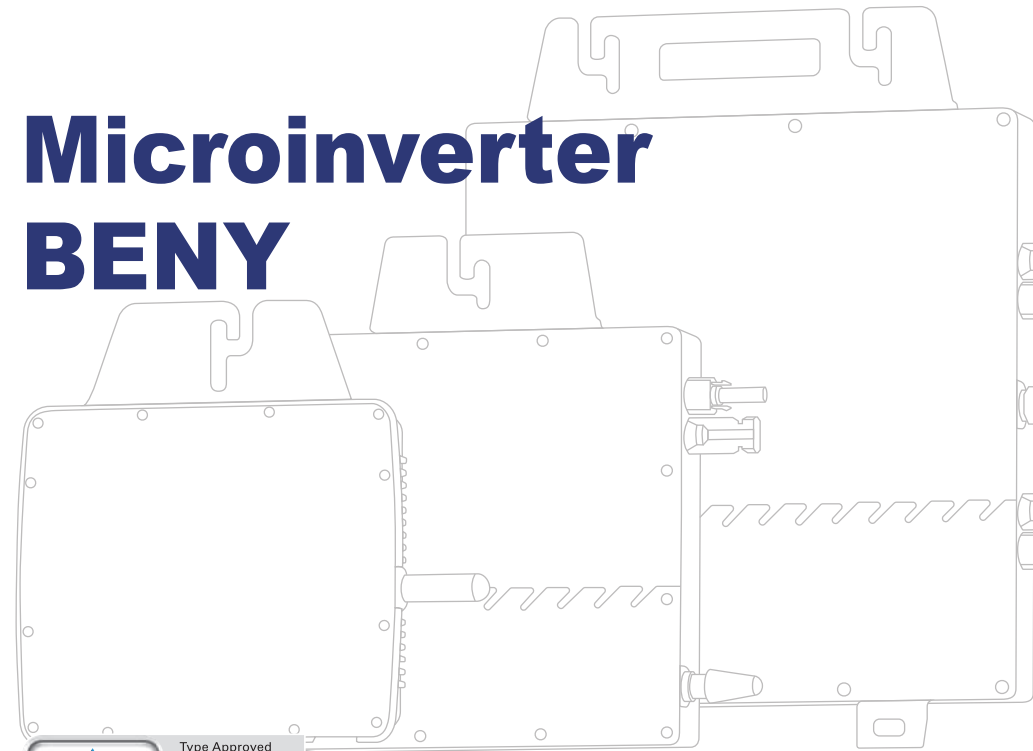
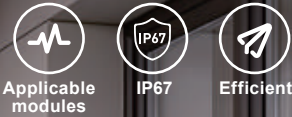


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Microinverter BENY





Microinverter BYM500/550/600

Description

BENY single-in microinverter can connect a single photovoltaic module, and realize module-level maintenance and management of photovoltaic stations by monitoring the power generation of each module.

The power generation data of BENY microinverter system can be uploaded to the monitoring platform through PLCC/Wi-Fi communication.

Model Selection

Input Data(DC)			
Model	BYM500	BYM550	BYM600
Recommended input power (Dual)	(400~700)W Single, 60~75-cell/120~150-half-cell (300~450)W*2 Dual, 72~75-cell/144~150-half-cell		
MPPT voltage range	24V~50V		
Operating voltage range	16V~60V		
Maximum input voltage	60V		
Max. short circuit current	20A		24A
Max. input current	18A		20A
Output Data(AC)			
Rated output power	500VA	550VA	600VA
Maximum output power	520VA (Vac≥230, Vmp≥34)	570VA (Vac≥230, Vmp≥35)	600VA (Vac≥220, Vmp≥33)
Rated voltage(range)	230V(176V~265V)		
Rated frequency(range)	50Hz/60Hz(46.5Hz~62Hz)		
Maximum continuous output current	2.27A	2.5A	2.73A
Maximum harmonic distortion	<4%		
Power factor	>0.99(Default)		
Maximum connection number in one string	8 units (24A circuit breaker, 12AWG 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	10years / 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/MFR 2019, G98, CEI 0-21:2020, NC RFG, NTS DAKKS.		



Microinverter BYM800

Description

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.

The power generation data of BENY microinverter system can be uploaded to the monitoring platform through PLCC/Wi-Fi communication.

Model Selection

Input Data(DC)	
Model	BYM800
Recommended input power (Single)	(STC)600~700+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 DC input voltage	60V
Maximum short circuit input current	30A*1 / 20A*2
Maximum continuous input current	26A*1 / 13A*2
Output Data(AC)	
Rated output power	800W
Maximum output power	820VA(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	6 units (24A circuit breaker, 12AWG 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	10years / 25years (Optional)
Dimensions(L*W*H mm)	218*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 .



Microinverter BYM2000/2400 /2800



Description

BENY quad-in microinverter can connect four photovoltaic modules, and realize module-level maintenance and management of photovoltaic stations by monitoring the power generation of each module.

The power generation data of BENY microinverter system can be uploaded to the monitoring platform through PLCC/Wi-Fi communication.

Model Selection

Input Data(DC)			
Model	BYM2000	BYM2400	BYM2800
Recommended input power (STC)	(450~750)W*4 , 60~75-cell/120~150-half-cell (350~550)W*8 , 66~75-cell/132~150-half-cell		
MPPT voltage range	24V~50V		
Operating voltage range	16V~60V		
Maximum input voltage	60V		
Max. short circuit current	20A*4		24A*4
Max. input current	18A*4		20A*4
Output Data(AC)			
Rated output power	2000VA	2400VA	2800VA
Rated voltage(range)	230V(176V~265V)		
Rated frequency(range)	50Hz/60Hz(46.5Hz~62Hz)		
Maximum continuous output current	9.70A	11.0A	12.8A
Maximum harmonic distortion	<4%		
Power factor	>0.99(Default)		
Maximum connection number in one string(PLCC)	3 units (30A circuit breaker, 10AWG cable)	2 units (30A circuit breaker, 10AWG cable)	2 units (30A circuit breaker, 10AWG cable)
Maximum connection number in one string(Wi-Fi)	4 units (40A circuit breaker, 10AWG cable)	3 units (40A circuit breaker, 10AWG cable)	2 units (40A circuit breaker, 10AWG cable)
Efficiency			
Peak efficiency	97.5%		
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	10years / 25years (Optional)		
Dimensions(L*W*H mm)	389*302*43		
Weight(kg)	7.2		
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, etc.		