NEP PRODUCT PORTFOLIO

- MLPE Rising Star
- www.northernep.com

2024

Options

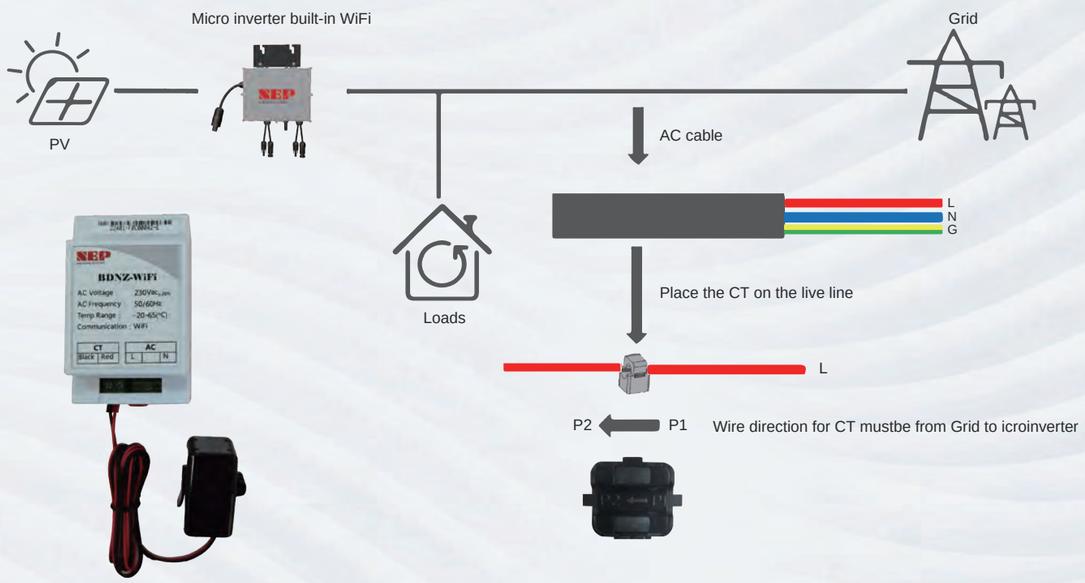
Micro Inverter

Battery (Option for BDH-800 & BDS-1000)	
Nominal Capacity /Ah	54
Nominal Energy /kWh	2.76
Nominal Voltage /V	51.2
Working Voltage Range /V	44.8~57.6
Max Charge / Discharge Current /A	54
Dimension (W*D*H) /mm	480*350*160
Weight /kg	27kg
Cycle life	6000Cycle
Working Temperature / ℃	-20~55
Protection Rate	IP65

Options for microinverter with WiFi communication		
BDNZ-WiFi	Export management (net zero)	
WiFi-Bridge	WiFi-Bridge could automatically serch the SN of microinverter to monitor the BDM-WiFi	
Options for microinverter with PLC communication		
BDG-256	Gateway (must for PLC communication)	
Consumption Meter (A)	Export management (net zero) for single-phase (work with Gateway)	
Consumption Meter (B)	Export management (net zero) for split phase (work with Gateway)	
Consumption Meter (C)	Export management (net zero) for 3 phase (work with Gateway)	

BDNZ-WiFi

Net Zero control Device



Model	BDNZ-WiFi
Parameters	
Nominal Voltage	230VAC, 50/60Hz
Temperature Operating Range	-20°C~65°C
Modulation Type	DSSS, OFDM
Modulation Technology	802.11b/g/n20
Operating Frequency	802.11b, 802.11g, 802.11n (HT20):2412MHz~2472MHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20):13
Adaptive/Non-Adaptive	adaptive Equipment without the possibility to switch to a non-adaptive mode
EIRP Power (Measured Max. Average)	18.06dBm
Antenna Type	PCB Antenna
Antenna Gain	3dBi
CT	CT type: Open type CT cable: 100cm

BDG-256/256P3

Monitoring Gateway

Features

Convenient

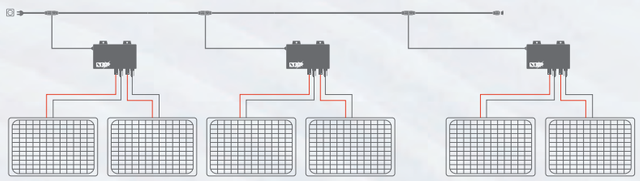
- WiFi, Ethernet, or Cell
- Easy to configure web portal
- Touch screen for easy Configuration and Troubleshooting
- Supports dual voltage (100/240) and dual frequency (50/60 Hz)

Safe and reliable

- Supports local monitoring without internet

Globally Certified

- UL 60950-1 2nd edition, CSA C22.2 2nd edition, FCC Part 15 Clase B AS/NZS 60950.1:2011 Inc A1, AS/NZS CISPR 22: 2009+A1:2010
- EN 60950-1:2006+A11:2009+A1:2010
- Revenue Grade Production Monitoring ANSI C12.20 +/- 0.5%



More efficiency Maximum 3.5W

Certification global UL 60950-1 2.ª edition, CSA C22.2 2.ª edition, FCC Part 15 Clase B

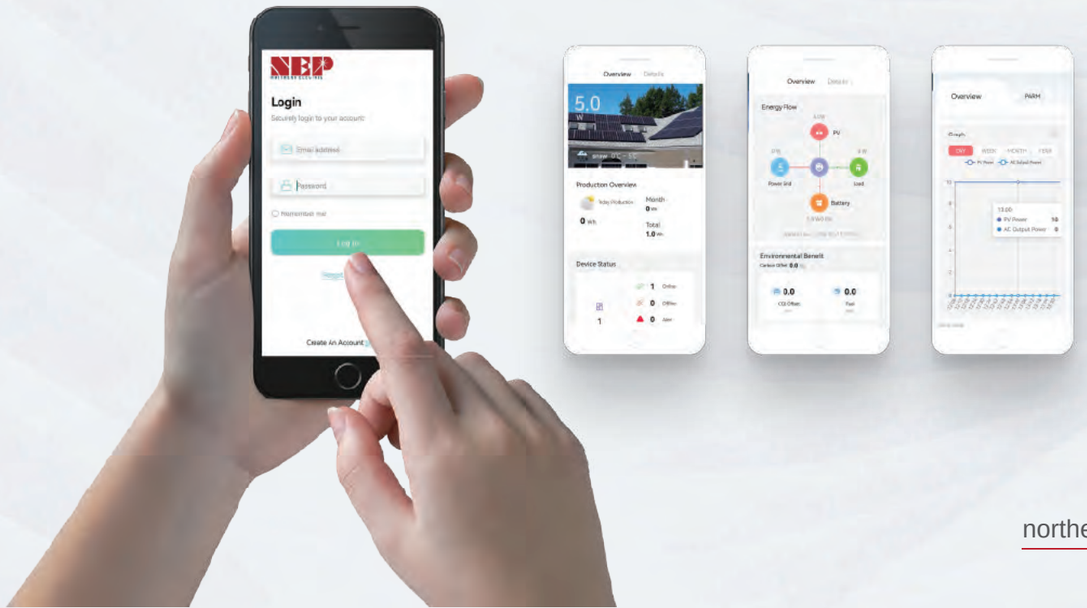
More reliability IP30

Model

BDG-256/256P3

Communications interface	BDM-256	BDM-256P3
Communication with Microinverter	PLC	
Ethernet	10/100 auto-sensing, auto-negotiation	
USB	USB 2.0 interface, auto-sensing, auto-negotiation	
Wi-Fi	Support	
Monitoring Capability	255 devices (depending on power grid interference)	
Human interface		
Visual display	LCD touch screen	
Power requirements		
AC input	100-240 Vac, 50/60Hz, 60mA	208 Vca, 380 Vca, 50/60 Hz
Energy consumption	3.5 Watts maximum	
Mechanical data		
Dimensions	170 x 110 x 37 mm	199 x 161 x 46 mm
Weight	150g	
Ambient temperature range	40˚C to +55˚C -40˚C to +49˚C (if installed in a cabinet)	
Cooling	Natural convection - no fans	
Environmental Rating	IP30. For installation indoors or in an NRTL-certified NEMA type 3R enclosure	
Characteristics		
Standard warranty term	1 year	
Compliance	UL 60950-1 2nd Edition Rev Dec 19, 2011 CSA C22.2 2nd Edition Rev Dec 19, 2011 FCC Part 15 Class B AS/NZS 60950.1:2011 Inc A1 AS/NZS CISPR 22: 2009+A1:2010 EN 60950-1:2006+A11:2009+A1:2010 +A12:2011 EN 55022:201 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2008 EN 55024:2010 EMC Directive 2004/108/EC	

CASE SHARE

NEP Monitoring Platform
NEPViewer

Web-based & mobile app monitoring
Data point plotted every 1 minute