BDG-256P3-EU

Europe



Quick Installation Guide BDG-256 GATEWAY

For more information, please visit our website: http://www.northernep.com

BDG-256P3 connects to a 3-phase power grid

BDG-256P3-AU

Australia

New Zealand

CONNECT TO POWER GRID (BDG-256P3)

CONNECT TO POWER GRID (BDG-256)

Plug the AC power cord into a dedicated power outlet. Once connected, the gateway will take several minutes to boot up.

- 1. BDG-256 works on voltages between 100Vac 240Vac.
- 2. Install the gateway on a dedicated outlet as close to the solar-fed circuit breaker as possible.
- 3. Do not plug the gateway into a power strip or GFDI outlet.
- For split-phase power grid (U.S., Canada, Mexico, Japan, Philippine), we recommend using NEMA 6-15 240V power outlet



NEMA 6-15 outlet

INPUT MICRO INVERTER SERIAL NUMBER

Through gateway touch screen

Save/	aunu		Teday's	1 7days'	?	x	Lifetin	ut Pan	? >
te&Time	COM	ID	Version &	SN & Mac	4	F	-	7	С
Inverte	r0 ID:	122	E.						
Inverte	rl ID;	2150	8-0005F123	-u 1			2	8	D
Inverte	r2 ID:						3	9	E
Inverte							4	0	F
Inverte		H		-			5	A	
Inverte	ré ID:					Ð	6	в	4
		OK		Cancel			20	15-11-0	711.00

10.208.32.	52 is the ga	teway IP at th	ne bottoi	m of the	touch screen
	Inverter	r COM-ID	Admin	istratio	n
	(e.g. 21508-000	SF123-U, input the whole	string or "0005F	123" or "5F123")	
		submit	ALL	~	-
			pl	hase	
	Inverter1:	0001AA04	A	~	
	Inverter2:	10001002	A	~	
	Inverter3:	10001003	A	~	
	Inverter4:	10001004	A	~	r
	Inverter5:	10001005	A	~	a
	Inverter6:	10001006	A	~	· · ·
	Inverter7:	10001007	A	~	i
	Inverter8:	10000135	A	~	
	Inverter9:	10009D11	A	~	

Through built-in web page

(e.g. http://10.208.32.52/module)

directly

BDG-256P3-NA

U.S., Japan, Canada

Mexico, Philippine



Note: Handheld barcode scanner is a very helpful tool in inputting the inverter SN

S/N format: (e.g. 21508-0005F123-U, input the whole string "21508-0005F123-U" or "0005F123" or "5F123")

Phase assignment: A – (L1-L3 or L1-N), B – (L2-L3 or L2-N), C – (L1-L2 or L3-N) (U.S or Europe/Australia)

CONNECT TO INTERNET

BDG-256 can be connected to internet *using a cable*. "DHCP" is the default option and most commonly used.



Refer to "Wi-Fi Configuration Guide" for setting up Wi-Fi



TEST NETWORK CONNECTION

Navigate through "*Setting*" to "*Network Test*", and then click on "*Execute*". If the "Net State" shows Good, then the gateway has connected to internet.



SET DATE/TIME



NEPVIEWER Remote Monitoring

http://user.nepviewer.com/	REGISTER USER ACCOUNT
Follow the instructions and fill in information	UserType End User Installer
A NED	Email
NDEP Language (equite 2)	fwme.david@gmail.com
	Verfication code sent to you by email
	Email verification code
Final Party Party	
	Verification code is sent to the email address registered
Customest	
NOTE: NEPVIEWER supports IE 9.0 or later, Firefox, Chrome, Apple iOS and Android web browsers	REGISTER A GATEWAY
emonic, Apple 100 did Anarola web blowsels	Add BDG-256 gateway SN in the PV site information
	Add BDG-250 gateway SN III the PV site information
	Preview
ADD PV SITE INFORMATION	
Each PV site requires two registered email addresses:	* Gateway S/N Add Remove
<u>end user</u> and <u>installer</u>	
* User Email User Email	Create Close
* Country_Name select	RDC 256 gatoway SN can be found on touch coroon
* Name of Your Plant Name of Your Plant	BDG-256 gateway SN can be found on touch screen Setting/ Version & SN & Mac
* Latitude Latitude	
Longitude	Save/ Summary Today's 7days' Monthly Lifetime Energy
* Timezone (GMT-11:00) Midway Isk 💌	Stiffing ? × Linkgy Xw te&Time COM ID Version & SN & Mac
Temperature Unit Fahrenheit	
* Power of Plant (KW) Power of Plant (KW)	Software Version 20140702-01 Serial Number 20011000008378
* Currency Unit JPY I Locale // KWh	MAC Address 24:16:00:00:83:78
Module Manufacture & Module Manufacture & Type	
* Installer Email	ОК
	2015-12-05 14:43:58

MICROVIEWER Local Monitoring

BDG-256 can be monitored by a smart of connected to the same router	device
Save/ Clear Summary Display Today's Energy 7days' Energy Monthly Energy Instant Output Setting	NEP Inverter Monitor × +
CO2 Kg Lifetine KWh TP: 10.208/32.52 2015-02-03 04:02:34	http://10.208.32.52
Gateway IP address	NOTE: MICROVIEWER local monitoring uses BDG-256 IP address as the link to an internal webpage

Wi-Fi Configuration Guide

Method A: By Routers Support WPS

Step-1: Plug the wireless adapter to BDG-256 gateway, and wait for several seconds for several seconds



CE CO

Step-2: Press the WPS button on the router for 2 seconds, and for most routers, the WPS button would flash at this point



Step-3: Within 2 minutes, return to the BDG-256 gateway, click on Setting/Ethernet, and press "WPS" (the red button). If the gateway reports the WPS setup is successful, the IP address on the gateway screen will be updated instead of 0.0.0.0 within 5



Method C: By Smart Mobile Devices

minutes

Step-1: On an iPhone, click on Settings/General/About. Input name "MI Installer"

Step-2: Turn on "Personal Hotspot", and input Wi-Fi Password "my-gateway". This password is for other devices such as the BDG-256 gateway to connect to this mobile device.

Step-3: On the BDG-256 gateway, click on Setting/Ethernet, and choose "Connect to Mobile" or "Link to Mobile" (the green button).



Step-4: If the connection has been set, a flashing banner "Personal Hotspot: 1 Connection" will appear at the top of the iPhone screen.Step-5: Continue from Step-3 of Method B

Step-6: After using the hot-spot communication, Wi-Fi setup can be restored, if the Wi-Fi configuration in BDG-256 gateway is not changed by hot-spot link. First hit on the button "Disconnect from Mobile" (see Step-3), and then reboot the gateway, then the Wi-Fi connection will be restored.

NOTE:

- 1. set the name of the hotspot link as "MI Installer"
- 2. set the password of the hotspot link as "my-gateway"

Method B: By Routers Do Not Support WPS

Step-1: Connect the BDG gateway to a router with a cable, and a few seconds later, an IP address will appear at the bottom of the BDG-256 screen;

Step-2: Log on to the webpage: <u>http://BDG_IP/wifi</u> (*BDG-IP* refers to the IP shown at the bottom of BDG-256 screen, e.g. 10.208.32.52)

Step-3: Set Wi-Fi parameters

Enter the password "gateway"

Wireless Network Setup

Home Change Password	Exit		
Setup Password			
PASSWORD			
		Next	

Set WLAN parameters and save your settings Wireless Network Setup

AN Settings:		
ISID	Network_SWG_1307_1	
iecurity Type	WPA WPA2 🗸	
assword	•••••	
DHCP	YES 🗸	
P Address		

SSID: The name of the home wireless network.

Security type: The wireless adapter supports several security protocols. Please refer to the wireless router user's manual for suitable type (default one works for most routers).

Password: The password for home wireless network.

DHCP: If yes, the wireless router will assign an IP to the gateway. This is most commonly used (no need to change unless for advanced users).

IP: If DHCP is set to "NO", users could fix an IP to the gateway. This function is only for advanced users, who should be responsible for confliction with other network devices if this IP address is not set properly.

Step-4: plug in the wireless adapter, and then reboot gateway

If Wi-Fi is connected, a signal strength bar at the left upper corner and an IP address at the bottom should be notified.

