

# BDH-800

## Micro-Hybrid-Inverter

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The BDH-800 micro-hybrid inverter is a powerful and efficient way to power your home. It is also incredibly reliable, with robust construction and advanced safety features. It can be installed on the balcony of apartments, making it a convenient and space-saving solution for power needs.

It can be used in conjunction with a battery to store excess energy generated during the day. This energy can then be released to power home loads for later use, helping you to save money on your energy bills.

## Hybrid inverter Technical Data

PV Input   PV		
Recommended. PV Module	W	600 x 2
MPPT Voltage Range	V	22-55
Startup Voltage	V	24
Max. Input Voltage	V	60
Max. DC Short Circuit Current	A	20 x 2
PV Overvoltage Protection Category		II
AC Output (On grid)		
Max. Continuous AC Output Power	VA	800 *
Rated AC Output Voltage	V	230
Max. Continuous Output Current	A	3.48
Nominal Frequency	Hz	50 / 60
Power Factor @ full load		>0.99 (at full load)
THD @ rated power		<3%(at rated power)
AC Overvoltage Protection Category		III
Max. efficiency	%	97.30%
DC Output (Battery)		
Battery Type		LFP
Battery Voltage	Vdc	40-60
Max Charge / Discharge current	A	30 / 20
Max Charge / Discharge power	W	1000 / 1000
others		
Operating Ambient Temperature Range	°C	-40 ~+65
Relative Humidity Range		0-100%
Communications		WIFI
Protection Class		IP66&67
Cooling		Natural convection
Dimension	D-W-H MM	315*244*39
Weight	kg	4.5

## Battery Technical Data

Battery Technical Data		
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	°C	-20-55
Protection Rate		IP65

\* Output power can convert to 600 through NEPViewer APP