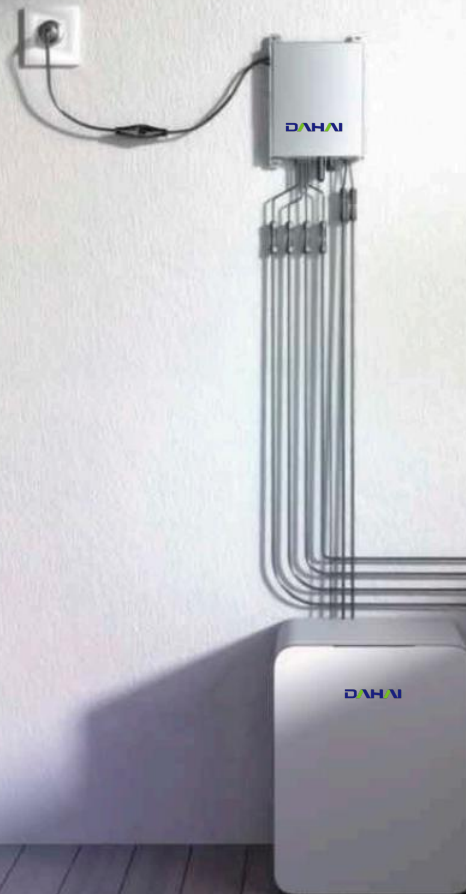


# BDH-800

## Micro-Hybrid-Inverter

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The BDH-800 micro-hybrid inverter is a powerful and efficient way to power your home or business. 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 customized designed 54Ah LiFePO<sub>4</sub> battery to store excess energy generated during the day. This energy can then be released to power home loads during the night, helping you to save money on your energy bills.

# Model

# BDH-800

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
Output   AC		
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
THD @ rated power		<3%
AC Overvoltage Protection Category		III
Max. efficiency	%	97.30%
Input / Output   Battery		
Nominal Capacity	Ah	54
Nominal Energy	kWh	2.7648
Nominal Voltage	V	51.2
Working Voltage Range	V	44.8 ~ 57.6
Max Charge / Discharge Current	A	54
Battery Data		
Battery Type		LiFePO <sub>4</sub>
Cycle Life	Cycles	6000
Working Temperature	°C	0-55
Protection Class		IP65
Battery Voltage	Vdc	40-60
Max Charge / Discharge current	A	30 / 20
Max Charge / Discharge power	W	1000 / 1000
Dimension (W*D*H)	mm	521.5 x 255.5 x 130
Weight	kg	23.5
General Data		
Operating Ambient Temperature Range	°C	-40 ~+65
Relative Humidity Range		0-100%
Communications		WIFI
Protection Class		IP65
Cooling		Natural convection
Dimension (W*D*H)	mm	244 x 315 x 39
Weight	kg	4.5