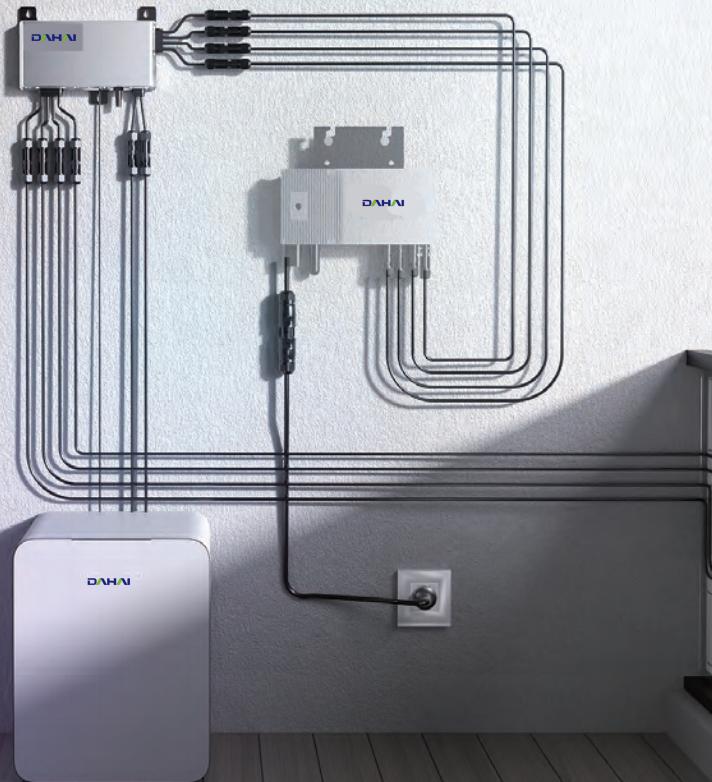


# BDS-1000

## DC COUPLING MICROINVERTER



The BDS-1000 is designed to store excess solar power in a Li-ion battery for nighttime use, optimizing energy consumption and reducing reliance on the grid. By retrofitting the system with the BDS-1000, you can transform your on-grid PV system into a hybrid solution, maximizing self-consumption and achieving cost savings. Harness clean energy during the day and store it for efficient use at night with the BDS-1000.

# Model

BDS-1000

PV Input   DC		BDS-1000
Recommended. PV Module /W		750x2
MPPT Voltage Range /V		22–55
Startup Voltage /V		24
Max. Input Voltage /V		60
Max. Input Current /A		15x2
Min. Input Voltage /V		20
Max. DC Short Circuit Current /A		20x2
Battery Discharge to BDS   DC		
Max. Input Power /W		1000
Max. Input Current /A		20
Rated Voltage /V		51.2
BDS Charge to Battery   DC		
Max. Output Power /W		1000
Max. Output Current /A		20
Rated Voltage /V		51.2
Output to Microinverter   DC		
Recommended. Microinverter Power /W		less than 1000W
Rated Output Power /W		1000W
Rated Output Current /A		20
Nominal Voltage Range /V		22–60
Efficiency		
Peak Efficiency /%		97.3
MPPT Efficiency /%		>99.5
Protection		
Overvoltage Protection		Integrated
Overcurrent Protection		Integrated
Short Circuit Protection		Integrated
Temperature Protection		Integrated
General Data		
Operating Ambient Temperature Range /°C		-40~65
Relative Humidity Range		0–100%
Dimensions (W x H x D) /mm		180 x 244 x 31
Weight (not including battery) /kg		2.2
Communication Method		WiFi
Protection Class		IP-67