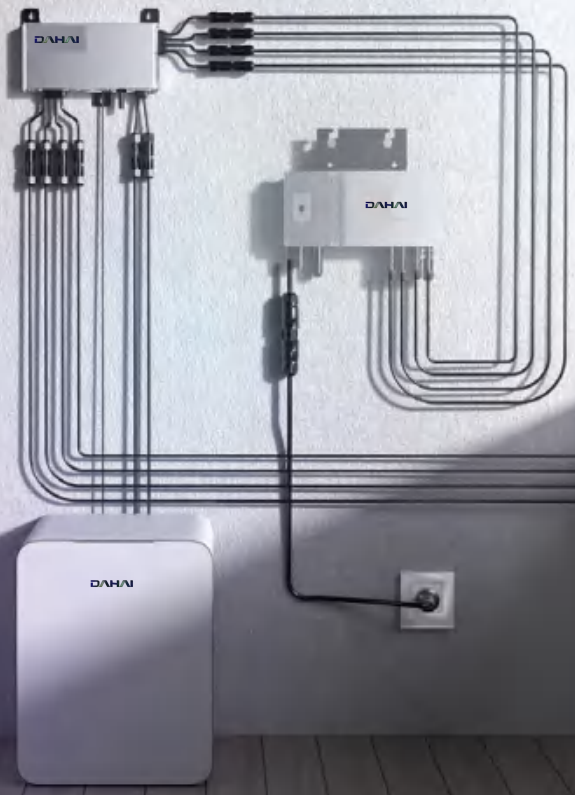
DAHAI SOLAR

BDS-1000

DC COUPLING MICROINVERTER



TheBDS-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 /℃	-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