



BDM-1200-LV/BDM-1600-LV

Micro Inverter



Features

- US UL1741, SB certification**
- Plug-and-Play Wall Outlet for DIY Installation**
 - Installs in minutes by plugging directly into a standard wall outlet (120V)
- Triple PV Inputs for Maximum Energy Harvest**
 - Connect 4 solar panels (up to 600W each) to a single inverter, with adaptive voltage tracking to optimize output across shading, angles, or mixed panel conditions.
- UL 1741 & IEEE 1547 Certified**
 - Fully compliant with U.S. grid safety and interoperability standards
- Scalable 1200W Output with High Efficiency**
 - Generate up to 1.2kW or 1.6kW continuous power per inverter
- Built-in WiFi & Intuitive Mobile App**
 - Monitor real-time performance, troubleshoot issues, and receive alerts via a smartphone app (iOS/Android), with over-the-air firmware updates for future-proofing.

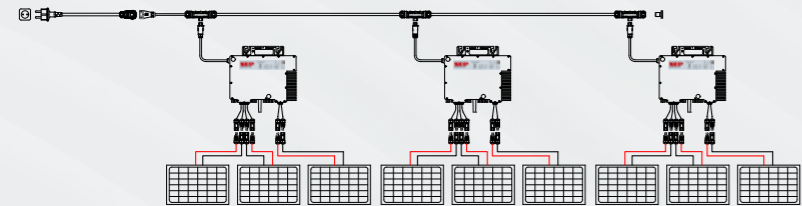
BDM-1200-LV



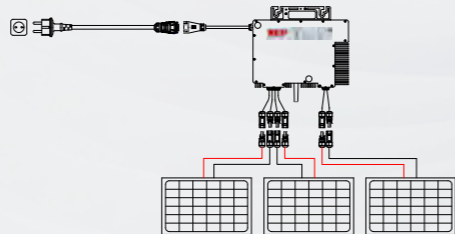
BDM-1600-LV



Rooftop Solution



Plug-in Solution



Model

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INPUT (PV DC)	BDM-1200-LV		BDM-1600-LV	
Recommended PV module maximum power	600W×3		600W×4	
PV Input Voltage Range	20~60V			
MPPT Operating Voltage Range	22~55V			
Start-up Voltage	25V			
No. of inputs	3		4	
Max PV current	25A×3		25A×4	
Grid				
Rated AC Voltage	120V			
Rated AC Frequency	50Hz/60Hz			
Rated AC Output Current	10A / 13.3A			
Rated AC Output Power	1200W			
PF	>0.99 (at rated power)			
THDi	<5%			
Efficiency				
Max. MPPT Efficiency	99.9%			
Max. Efficiency	97.5%			
CEC Efficiency	96.5%			
Protection				
PV Reverse Polarity Protection	YES			
Over Current/Voltage Protection	YES			
Anti-islanding Protection	YES			
AC Short-circuit Protection	YES			
Ground fault monitoring	YES			
Leakage Current Protecion	YES			
AC/DC Surge Protection Type II	YES			
RSD	YES			
General				
Dimensions(W*H*D)	321mm*271mm*42.5mm			
Weight	3.1kg			
Ingress Protection Rating	NAME 4X			
Relative Humidity	0~100%			
Operating Temperature Range	-40~65℃			
Storage Temperature Range	-40~85℃			
Communication Interface	WI-FI, Bluetooth			
Display	LED LIGHT			
Altitude	<2000m			
Standards&Certification				
UL STD.1741,1741SA,1741SB	IEEE STD.1547,1547.1,1547a		HECO SRD-IEEE-1547.1:2020 Ed.2.0	
CSA STD.C22.2 No.107.1 and 330	IEEE 2030.5		E5000,SA17-18; PCS CRD:2019	