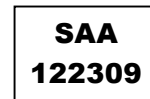




BDM-250 Grid-tie Micro Inverter System



Features

- Designed to connect individual PV modules and perform DC to AC conversion
- High efficiency with 95% CEC
- Globally certified for c-ETL-us, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83/2
- Very simple installation with built-in cables and connectors
- NEMA-6 enclosure rating
- Integrated monitoring and power line communication with BDG-256 gateway
- Integrated GFDI
- 14 AWG integrated cables

Northern Electric & Power Co. Ltd

USA Add: 1781 Riverview Ave., Tracy, CA 95377

Australia Add: 9 Meander Grove, Cameron Park, NSW2285

China Add: No.1 Anhe Rd Qingdao Export Processing Zone, Qingdao, China 266113
TEL: +86 532 87963900
FAX: +86 532 81100917

www.northernep.com

MODEL		BDM-250-240A	BDM-250-208A
INPUT(DC)	Max Recommended PV Power (Wp)	285	
	Max DC Open Circuit Voltage (Vdc)	60	
	Max DC Input Current (Adc)	12	
	MPPT Tracking Accuracy	>99.5%	
	MPPT Tracking Range (Vdc)	22-55	
	Isc PV (absolute maximum) (Adc)	14	
	Maximum Inverter Backfeed Current to the Array (Adc)	0	
OUTPUT(AC)	Rated AC Output Power (Wp)	220	
	Nominal Power Grid Voltage (Vac)	240	208
	Allowable Power Grid Voltage (Vac)	211-264	186-228
	Allowable Power Grid Frequency (Hz)	59.3-60.5	
	THD	<3% (at rated power)	
	Power Factor (cos phi, fixed)	>0.99%	
	Current (maximum continuous) (Aac)	1.2	
	Current (inrush) (Peak and Duration)	12A, 15us	
	Nominal Frequency (Hz)	60	
	Maximum Output Fault Current (Aac)	2.2A peak	
	Maximum Output Overcurrent Protection (Aac)	6.3	
	Maximum Number of Units Per Branch	15	
SYSTEM EFFICIENCY	Peak Efficiency	96.30%	95.70%
	CEC Efficiency	95%	
	Night Time Tare Loss (Wp)	0.17	
PROTECTION FUNCTIONS	Over/Under Voltage Protection	Yes	
	Over/Under Frequency Protection	Yes	
	Anti-Islanding Protection	Yes	
	Over Current Protection	Yes	
	Reverse DC Polarity Protection	Yes	
	Overload Protection	Yes	
	Protection Degree	NEMA-6 / IP-67	
OTHER PARAMETERS	Environment Temperature	-40□—+65□	
	Environment Humidity	100%, condensation	
	Display	LED LIGHT	
	Communications	Power Line	
	Dimension (D-W-H mm)	230*138*35	
	Weight (Kg)	2.0	
	Environment Category	Indoor and outdoor	
	Wet Location	SUITABLE	
	Pollution Degree	PD 3	
	Maximum Altitude	2000 M	
	Overvoltage Category	II(PV), III (AC MAINS)	
	Product Safety Compliance	UL 1741 CSA C22.2 No. 107.1	
	Grid Code Compliance* (Refer to the label for the detailed grid code compliance)	IEEE 1547	
<p>Note: For grid code VDE-AR-N 4105, maximum 3.68kVA PV plant is limited. The grid protection report and setting are readable from the gateway. For grid code G83/2, maximum 16A per phase is limited. The grid protection report and setting are readable from the gateway.</p>			