



Manufactured by Newen Systems with Dynapower Technology

Bi-Directional Inverter (250 kW)

- **PATENTED DYNAMIC TRANSITION FOR SEAMLESS TRANSFER BETWEEN GRID & OFF-GRID MODE**
- **INTEGRATED ISOLATION TRANSFORMER**
- **ACTIVE STANDBY MODE FOR POWER SAVINGS**
- **FULL CURRENT UNBALANCING IN EACH PHASE**
- **PROVEN PRODUCT WITH >500 SYSTEMS ON GROUND GLOBALLY**

NEWEN SYSTEMS PVT. LTD.

Newen Systems in technological collaboration with Dynapower, manufactures world class Energy Storage Bi-directional inverters, Microgrid Controllers & DC-DC Converters. Made in India, our energy storage solutions are engineered to excel and customized to the specific needs of customers for "Front of The Meter" and "Behind The Meter" solutions.

DYNAPOWER COMPANY LLC.

Dynapower is a leader in the design and manufacture of four-quadrant bi-directional energy storage inverters. The MPS™, CPS™ and DPS™ product lines are IEEE and UL1741 compliant; offer sub-cycle response with zero voltage ride-through; feature a Dynamic Transfer function that can be operated in both grid-tied or stand-alone (grid forming) modes. Dynapower inverters are deployed globally as grid-tied energy storage inverters and as micro-grid inverters, enabling increased penetration of renewable generation resources on the grid.

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SPECIALIST IN ENERGY MANAGEMENT

MICRO-POWER SYSTEM MPS-250-800 V DATASHEET



The MPS® -250 has been optimized for behind-the-meter energy storage applications where reliability and safety are priority. This inverter is designed especially for four quadrant energy storage applications in both grid-tied and micro-grid applications. Multiple units can be paralleled in grid forming mode for micro-grid applications.

Input Specifications	
DC Voltage	580 - 835 V _{DC}
Max DC Current	455 A
DC Voltage Ripple	< 1%
Environmental Specifications	
Operating Temp	-25 to 50 °C
Cooling	Forced Air Cooled
Related Max. Elevation	1,000 Meters Full Power Up to 3,000 meters with Derating
Enclosure	RAL 7035, IP 54
Dimensions (HXWXD)	1997X1263X1282 mm ³
Weight in kg	1600
User Interface	
Remote Monitoring & Communication	Modbus TCP with Automated Alerts
Grid Connections	
AC Line Voltage	480 / 415 VAC (+10%, -12%), 3-Ph
AC Line Frequency	60 / 50 Hz (+ / - 0.5%) Settable
Continuous AC Current	301 / 348 A RMS
Overload AC Current	320 / 366 A RMS
Continuous AC Power	250 KW
Overload AC Power	300 KW
Power Factor	0 - 1.0 Leading or Lagging
Current Harmonics	IEEE 1547 Compliant, <5% TDD
Peak Efficiency (Including Isolation Transformer)	97.50%
Additional Features	
Protections	AC Over Voltage, AC Under Voltage, AC Under Frequency, AC Over Frequency, AC Overload, Over-temperature, DC Over Voltage, DC Over Current
Standards Compliance	IEEE 1547, UL 1741 SA, CA Rule 21, & HI Rule 14H
Safety Features	Anti-islanding - UL Compliant trip points



DYNAPOWER

#startupindia



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