



Bi-Directional Inverter (125 KW/60 Hz)

- **PATENTED DYNAMIC TRANSITION BETWEEN GRID & OFF-GRID MODE**
- **FREQUENCY COMPENSATION MODE (F-COMP)**
- **ACTIVE STANDBY MODE FOR POWER SAVINGS**
- **VOLT-VAR COMPENSATION MODE (E-COMP)**
- **COMPACT TRANSFORMERLESS DESIGN**

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 MPST™, CPS™ and DPST™ 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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MICRO-POWER SYSTEM MPS-125-1500 V DATASHEET



Featuring a highly efficient three-level topology, the MPS-125 is easily integrated into customer supplied battery storage systems or can be supplied as part of Dynapower's fully-integrated MPS-I energy storage system. Multiple MPS-125 energy storage inverters can be paralleled together to scale to meet the needs of any behind the-meter energy storage installation.

Input Specifications	
DC Voltage	740- 1500 V _{DC}
Max DC Current	171 A
DC Voltage Ripple	< 1%
Environmental Specification	
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	UL 3R, IP 54
Dimensions (HXWXD)	915X712X388 mm ³
Weight in kg	80
User Interface	
Remote Monitoring & Communication	Modbus TCP with Automated Alerts
Grid Connections	
AC Line Voltage	415 V/480 V
AC Line Frequency	50 Hz/60 Hz
Continuous AC Current	150 A RMS
Overload AC Current	180 A RMS
Continuous AC Power	108 KW/125 kW
Overload AC Power	130 kW/150 KW
Power Factor	0 - 1.0 Leading or Lagging
Current Harmonics	IEEE 1547 Compliant, <5% TDD
Peak Efficiency	98.7%*
Additional Features	
Faults	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 w/ UL Compliant trip points



DYNAPOWER

#startupindia



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* Standard certification for 60Hz, for 50Hz we will be giving compliance. We reserved the right to make technical changes or modify the content of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. Newen does not accept any responsibility whatsoever for possible misinterpretation or lack of information in this document. We reserved all rights in this document and in the subject matter an illustration contained therein. Any reproduction, disclosure to third parties or utilization of its contents - in whole or in parts - is forbidden without prior consent of Newen. © Copyright 2020 Newen

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