



Manufactured by Newen Systems with Dynapower Technology

Bi-Directional Inverter (UTILITY SCALE)

- **PATENTED DYNAMIC TRANSITION FOR SEAMLESS TRANSFER BETWEEN GRID & OFF-GRID MODE**
- **BLACK START**
- **E COMP: AUTONOMOUS VOLT/VAR SUPPORT**
- **F COMP: AUTONOMOUS HZ/WATT SUPPORT**
- **ACTIVE STAND-BY MODE**

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

COMPACT-POWER SYSTEM CPS- 1500 V_{DC} DATASHEET



The CPS®- 5336 is cost-effective, reliable, and efficient utility-scale energy storage inverters offered in both indoor and outdoor configurations. Featuring a highly efficient three-level topology, Newen's and Dynapower's developed CPS® inverters are air-cooled and designed for four-quadrant energy storage applications in both grid tied and microgrid applications. Multiple CPS® units can be paralleled together to meet customer demand and front of the meter application

Specifications					
Kva Rating	2768kVA	3200kVA	3600kVA	4000kVA	5336kVA
Input DC					
Operating Voltage range	605-1500	700-1500	785-1500	870-1500	1145-1500
Min Voltage for Full Active Power (V)	605	700	785	870	1145
Max Voltage (V)	1500				
Max Continuous Current (A)	4645	4644	4658	4670	4732
Voltage /Current Ripple (%)	1% / <5% for rated current 2% typical				
Output AC					
Continuous AC Power (kW)	2768	3200	3600	4000	5336
Line Voltage (V)	415	480	540	600	800
Line Frequency (Hz)	50				
Continuous AC Current (A)	3856				
Overload AC Current (A)	4628				
Power Factor	+1.0 to -1.0				
Current Harmonics	IEEE 1547 Compliant, <5% TDD				
*Peak Efficiency	98.60%				
Mechanical Specification					
Operating Temperature	-30 to 60°C, De-rated above 45°C				
Cooling	Forced Air Cooled				
Enclosure	IP 54 (Outdoor) & IP20(indoor)				
*Dimension (HxDxW) mm3	2050 x 1250 x 4320				
*Weight in kg	4000				
Storage Temperature	-40°C to 65°C				
Additional Feature					
Faults	AC Over Voltage, AC Under Voltage, AC Under Frequency, AC Over Frequency, AC Overload, Over-temperature, DC Over Voltage, DC Over Current				
Certifications	IEEE 1547, UL 1741 SA, IEEE 519,IEEE 693 ,sun spec 2030.5				
Safety Features	Anti-islanding with UL Compliant trip points, Hardware Over Current Protection, Surge Protection				
Protection	AC breaker with shunt trip, Automatic DC disconnection by contactor, DC fuse				

#startupindia



Address: Survey no. 276 & 290/C, Shakti logistic park, Makarpura GIDC, Makarpura, Vadodara, Gujarat 390013, India

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COMPACT-POWER SYSTEM CPS-415-800 V DATASHEET



PRODUCT IMAGE



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