

Grid Tied Solar Inverters Product Portfolio

Highly Efficient Conversion Technology

Grid Tied Solar Central Outdoor Inverters

HIVERTER NP215L Series - (1500 VDC)

MW Scale: 3.125 MW, 2.5 MW

- Outdoor IP54 with Electronics IP65 unit: Savings on outdoor civil construction or containerized solution
- 3 level PWM technology to achieve Euro Efficiency @ 98.6% at Min. DC Input Voltage considering similar outdoor category
- Night time reactive power compensation function
- MPPT controllers having voltage range 950 to 1300 V
- Latest FRT
- Easy to install & maintain
- Low auxiliary power consumption due to variable fan speed control according to power feeding
- DC over power loading up to 200%



Grid Tied Solar Central Inverters

HIVERTER NP201i Series - (1000 VDC)

kW Scale: 250 kW, 500 kW, 630 kW, 670 kW, 715 kW

MW Scale: 1 MW, 1.25 MW, 1.34 MW, 1.43 MW, 2.5 MW

- PWM Inverter technology resulting in reduction of losses, low harmonic output current (< 3%) & improved efficiency
- Dynamic reactive power controlling
- Reactive power control (night time)
- Suitable for handling DC overloading capacity up to 140%
- Widest MPPT range
- Flexible output AC voltage suitable for retrofitting jobs
- Low current harmonic distortion
- Lowest auxiliary consumption
- Rated power @ 0.95 pf at 50°C
- Provision of air circuit breaker at o/p at each MW scale inverter
- 2.5 MW containerized solution



Grid Tied Solar String Inverters

HIVERTER-Si-N Series - 1.1 kW to 6 kW (Single Phase)

- Low sensitivity to the grid disturbance to avoid unnecessary disconnection from the grid
- Up to 2 independent MPPT to ensure optimal energy harvest
- Wide operating temperature range from -30°C to 60°C
- IP 65 protection for Indoor & outdoor application
- Type III SPD (Surge Protection Device)



Grid Tied Solar String Inverters

HIVERTER-Si-N Series - 3.3 kW to 50 kW (Three Phase)

- True three phase bridge, transformer-less topology
- Wide DC input range
- 2 MPPTs (3 KW - 24 KW), 3 MPPTs (25 KW & 30 KW), 4 MPPTs (50 KW) to ensure optimal energy harvest
- Wide operating temperature range from -30°C to 60°C
- IP 65 protection for Indoor & outdoor application
- Type II SPD (Surge Protection Device)
- String current monitoring



Grid Tied Solar String Inverters

HIVERTER-Si-N Series - 60 & 80 kW, 110 & 125 kW (Three Phase)

- True three phase bridge, transformer-less topology
- Wide DC input range
- Higher Maximum Current per MPPT
- 6 MPPTs 60 & 80 kW, 10 MPPTs (110 & 125 kW) to ensure optimal energy harvest
- Wide operating temperature range from -30°C to 60°C
- IP 66 protection for Indoor & outdoor application
- Type II SPD (Surge Protection Device)
- String current monitoring



Grid Tied Solar String Inverters

HIVERTER-Si Series - 250 kW to 255 kW (Three Phase)

- Wide DC input range
- True three phase bridge, transformer-less topology
- 12 independent MPPT to ensure optimal energy harvest
- Wide operating temperature range from -30°C to 60°C
- Type II SPD (Surge Protection Device)
- String current monitoring
- Low Voltage Ride Through (LVRT) compliance
- IP 66 protection for Indoor & outdoor application
- Reactive power controller



Hitachi Hi-Rel Power Electronics Private Limited

Registered Office: B-52, Corporate House, Near Judges Bunglow, Bodakdev, Ahmedabad-380054, Gujarat, India.
Tel: +91-79-6604 6200, Fax: +91-79-6604 6243

Manufacturing Works: Plot No. SM 3 & 4, Sanand GIDC II, Industrial Estate, Bol Village, Sanand-382 110, Gujarat, India.
Tel: +91-2717-678 777, Fax: +91-2717-678 700

Gandhinagar Facility: B-14/1 & 171, GIDC Electronics Zone, Sector - 25, Gandhinagar - 382 028, Gujarat, India.
Tel: +91-79-6170 0500

Helpline No.: (080) 6112 0800 (For Sales & Service Support) **Email:** contact@hitachi-hirel.com **Website:** www.hitachi-hirel.com

In the spirit of innovation, specifications and features are subject to change without notice.



e-gallery

[/company/hitachihirel](#)

[/hitachihirelindia](#)

[/hitachihirelindia](#)