

Grid Tied Solar String Inverters

350 kVA (3Ph.)

Key Features

- Wide DC input range
- True three phase bridge, transformer-less topology
- Low sensitivity to the grid disturbance to avoid unnecessary disconnection from the grid
- 8 independent MPPT to ensure optimal energy harvest
- MPPT accuracy is more than 99%
- Wide operating temperature range from -30°C to 60°C
- IP66 protection for Indoor & outdoor application
- Easy to install & maintain
- DC power overloading
- User friendly interface like RS 485/Wi-Fi
- Reactive power controller
- Type II SPD (Surge Protection Device)
- String current monitoring
- Low Voltage Ride Through (LVRT) compliance
- Remote monitoring using a mobile based application through Wi-Fi



Technical Standards

No.	IEC Standard	IEC Certificate
1	Environmental Testing	IEC 60068
2	Efficiency Measurement	IEC 61683
3	Product Safety Standard	IEC 62109-1, 2
4	Grid Connectivity Standard/ Utility Interface	IEC 61727
5	Test Procedure for Islanding Prevention Measures for Utility Interconnected PV Inverters	IEC 62116
6	Electromagnet Compatibility & Electro Magnet Interference	IEC 61000
7	Overall efficiency of grid connected photovoltaic inverters	EN 50530
8	Product safety requirements for measuring relays and protection equipment having a rated a.c. voltage up to 1 000 V	IEC 60255

Technical Specifications

Solar String Inverter - 350 kVA (3Ph.)

Hiverter Si Series Three Phase		HIVERTER Si-350k-N0
Input (DC)	Max. input voltage	1500V
	Rated input voltage	1160V
	Start-up voltage	550V
	MPPT operating voltage range	500 - 1500Vdc
	Number of MPPT's	8
	Number for DC inputs	32
	Max. input MPPT current	8 * 60A
	Max. input short circuit current	8 * 100A
Output (AC)	AC output power	352kVA@35°C/310kVA@50°C/300kVA@52°C
	Max. output current	254.1A
	Rated output voltage	3/PE, 800Vac
	Output voltage range	640V-920Vac
	Rated output frequency	50/60Hz
	Output frequency range	45~55Hz / 55~ 65Hz (According to local standard)
	Active power adjustable range	0-100%
	THDi	<3%
	Power factor	1 (adjustable +/- 0.8)
Performance	Max. Efficiency	99.05%
	European weighted efficiency	98.80%
Protection	DC reverse polarity protection	Yes
	Anti-islanding protection	Yes
	Leakage current protection	Yes
	Ground fault monitoring	Yes
	PV-array string fault monitoring	Yes
	DC switch	Yes
	SPD	PV: type II standard, AC: type II standard
General Data	Ambient temperature range	-30°C -- +60°C
	Topology	Transformer less
	Degree of protection	IP66
	Allowable relative humidity range	0-100%
	Max. operating altitude	4000m
	Cooling	Smart air cooling
	Dimension	1159*828*366 mm
	Weight	<113kg
	Display	LED, Bluetooth + APP
	Communication	RS485, PBUS
	EMC	EN 61000
Standard	Safety standard	IEC62109, IEC62116, IEC61727, IEC-61683, IEC60068

Hitachi Hi-Rel Power Electronics Private Limited

Registered Office: B-52, Corporate House, Near Judges Bungalow, 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

Authorized distributor: Loop Solar | www.loopsolar.com | +91-9971136369

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