

Navgrun

SMART ENERGY. **STRONGER FUTURE.**

Advanced Inverters for
Maximum Performance



**HIGH
EFFICIENCY**



**SMART
MONITORING**



**RELIABLE
PROTECTION**

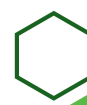


**SUSTAINABLE
ENERGY**

Nithin Sai Renewables Pvt Ltd

 www.navgrun.com

 info@navgrun.com



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 1000V	IEC 60255

Nithin Sai Renewables Pvt Ltd



www.navgrun.com



info@navgrun.com



Technical Specifications

Solar String Inverter 350KVA (3Ph.)

INVERTER- SERIES THREE PHASE		SI-350-NO
Input (DC)	Max. Input Voltage	1500 V
	Rated Input Voltage	1160 V
	Start-Up Input Voltage	550 V
	MPPT Operating Voltage Range	500-1500 Vdc
	Number of MPPT Trackers	8
	Number of DC Inputs	32
	Max Current per MPPT	8 X 60 A
	Max Input Short Circuit Current	8 X 100 A
Output(AC)	AC Output Power	352KVA@35 / 310KVA@ 50/300KVA@52
	Max. Output Current	254.1A
	Rated Output Voltage	3/ PE, 800 Vac
	Output Voltage Range	640V-920 Vac
	Rated output Frequency	50 / 60 Hz
	Output Frequency Range	45-55Hz / 55-66Hz (According to Local Standard)
	Active Power Adjustable Range	0-100%
	THDi	<3%
	Power Factor	1 default (adjustable ±0.8)
Efficiency Up To	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 Protection	PV: Type II standard, AC: Type II Standard
General Data	Ambient Temperature Range	-30°C ~ +60°C
	Topology	Transformer less
	Degree of Protection	IP66
	Allowed Relative Humidity Range	0-100%
	Max. Operating Altitude	4000m
	Cooling	Smart Air Cooling
	Dimensions	1159*828*366 mm
	Weight	<113Kg
	Display	LCD & Bluetooth + APP
Communication	Standard Communication Mode	Rs 485, WIFI
Standard	EMC	EN 61000
	Safety Standards	IEC 62109, IEC 62116, IEC 61727, IEC 61683, IEC 60068

Nithin Sai Renewables Pvt Ltd

 www.navgrun.com

 info@navgrun.com

 +91 96060 80780

Contact Us

Corporate Office

Balsa N1, 2nd Floor, Embassy Manyata
Business Park, Outer Ring Road, Nagavara,
Rachenahalli Village, KR Puram Hobli,
Bangalore, India - 560045

Factory

Plot No. 75-A, 2nd Phase, KIADB Industrial
Area, Chintamani Taluk, Mastenahalli
Industrial Area, Chikkaballapur,
Karnataka - 563128