

SOLAR STRING INVERTERS


THREE PHASE

MAIN FEATURES

- ◆ High efficiency: max 98.2%, Euro 97.8%
- ◆ Max I/P voltage 1000V
- ◆ Wide MPPT working range: 250V-800V
- ◆ IP65 protection grade for indoor & outdoor use
- ◆ MPPT with unbalance I/P power management
- ◆ Dual MPPT with Independent tracking
- ◆ State Of The Art Italian Technology



TOUCHSCREEN DISPLAY

- ◆ Incredibly responsive touch screen display
- ◆ Accessible even after sunset
- ◆ Inbuilt data logger
- ◆ Graphic Icons for clear readability
- ◆ Multi-inverter readings on one display
- ◆ Real time monitoring
- ◆ Instant data log transfer feature through USB pen drive 



ADDITIONAL FEATURES

- ◆ Intelligent power management system
- ◆ Excess power can be used to switch on attached loads
- ◆ Web based remote monitoring available

OUR PRODUCT RANGE FOR SOLAR APPLICATIONS

- ◆ Single Phase Off-Grid Solar Inverter
- ◆ 3 Phase Solar Grid Export Inverter
- ◆ 3 Phase Hybrid Solar Inverter
- ◆ Solar Water Pump Controller
- ◆ Telecom DC Hybrid System
- ◆ Intelligent String Monitor
- ◆ Array Junction /Combiner Boxes
- ◆ Energy Storage System

THREE PHASE STRING INVERTER

Technical Specification	TT1020	TTL1520	TTL2020
Inputs (DC)			
Maximum power	11.0 kW	16,5 kW	20.0 kW
Maximum voltage	1000 V	1000 V	1000 V
MPPT voltage range	250 V – 800 V	350 V – 800 V	350 V – 800 V
Start input voltage	200 V	200 V	200 V
Maximum power per MPPT	6.5 kW	10 kW	11.7 kW
Maximum power per MPPT - Unbalanced operation	6.0 kW MPP T1 / 5,0 kW MPPT2	10,0 kW MPPT1 / 6,5 kW MPPT2	11.8 kW MPPT1 / 8.2 kW MPPT2
Maximum input current (per MPPT)	18.6 A	25,0 A	25,0 A
Number of MPPT trackers	2	2	2
Maximum number of strings	2MPP T1 / 2MPPT2	3MPPT1 / 3MPPT2	3MPPT1 / 3MPPT2
Outputs (AC)			
Grid connection	Three-phase (Δ/Y)	Three-phase (Δ/Y)	Three-phase (Δ/Y)
Rated power	10.0 KVA	5.0 KVA	19.0 KVA
Maximum power	10.5 KVA	15.8 KVA	20.0 KVA
Nominal voltage range	340... 460 Vac	340... 460 Vac	340... 460 Vac
Maximum output current	15.2 A	22.8 A	27.0 A
Grid frequency	50 Hz	50 Hz	50 Hz
Cosφ>	0.995 (adj ± 0.80)>	0.995 (adj ± 0.80)>	0.995 (adj ± 0.80)
Efficiency			
Maximum efficiency	98.3 %	98.5 %	98.6 %
European efficiency	98.0 %	98.2 %	98.3 %
Start feeding-in power	10 W	10 W	10 W
Stand by consumption	<8W	<8W	<8W
Protections			
DC reverse polarity	●	●	●
Integrated RCMU	●	●	●
AC short circuit protection	●	●	●
Overvoltage category (input/output)	II / III	II / III	II / III
Safety class	I	I	I
Ground fault monitoring	●	●	●
DC disconnecting switch	○	○	○
Input fusesPart of	AJB	–	–
Equipment			
DC connection (quick)	●	●	●
AC connection (spring clamp)	●	●	●
Interface (USB/RS485/GPRS)	●/●/○	●/●/○	●/●/○
Touch screen graphic display 3.5"	●	●	●
Auxiliary relay	●	●	●
Energy Controller (on-site consumption management)	●	●	●
Warranty And certificates			
Duration (5 / 10 / 15 years)	●/○/○	●/○/○	●/○/○
Certificates and approvals	IEC62116, IEC61727, IEC61683, EN50530, IEC60068(1, 2, 14, 30)		
General data			
Ambient operating Temperature	-25°C ...+60°C	-25°C ...+60°C	-25°C ...+60°C
Noise emissions	<35 dB	<35 dB	<35 dB
Enclosure protection Rating	IP 65	IP 65	IP 65
Installation	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Dimension HXWXD	373X231X767	454X241X767	454X241X767
Weight	<25kg	<35kg	<35kg

● standard / ○ optional / – not available

Fortuners Advanced Technology Solutions Pvt. Ltd.

Delhi-Meerut Road, Modinagar

U.P. INDIA

E-mail : info@fortuners.net