

Residential Series



THREE PHASE SOLAR GTI

INV TP Series



INV 5.0 TP

INV 6.0 TP

INV 8.0 TP

INV 10.0 TP

INV 12.0 TP

INV 15.0 TP

INV 18.0 TP

INV 20.0 TP

INV 25.0 TP

Key Features:

-  IP65 Rated
-  AFCI (Optional)
-  Patented Cooling Design
-  Unique H6 Topology Prevents Leakage Current
-  Wide Range of AC Grid Voltage Up To 290 Volt
-  Within 24 Hours Replacement, 365 Days Up-time



 Toll Free NO. 1800 309 7880

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 Image may differ from the actual product.

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Model	INV 5.0 TP	INV 6.0 TP	INV 8.0 TP	INV 10.0 TP	INV 12.0 TP	INV 15.0 TP	INV 18.0 TP	INV 20.0 TP	INV 25.0 TP
Input (DC)									
Recommended max. PV Input Power	7500Wp	9000Wp	12000Wp	15000Wp	18000Wp	20000Wp	27000Wp	30000Wp	33000Wp
Max. PV Input voltage	1050V						1000V		
Min. Working Voltage	160 VDC						250 VDC		
Nominal PV Input voltage	850 VDC								
MPPT Voltage Range	160 - 850 VDC						200 - 850 VDC		
No. of Independent MPPT Inputs	1						2		
Default No. of PV Strings Per MPPT	2								
Max. PV Input Current	22A			30A	36A		26/26 A		36/26 A
Max. DC Short-Circuit Current	30A			40A	48A		34/34 A		46/34 A
Output (AC)									
Nominal AC Output Power	5000W	6000W	8000W	10000W	12000W	15000W	18000W	20000W	25000W
Max. AC Output Power	6000VA	7000VA	8800VA	11000VA	13200VA	16500VA	19800VA	22000VA	27500VA
Max. AC Output Current	10A	12A	15A	17A	20A	25A	26.1A	29A	36.23A
Nominal AC Output Voltage Range	50/60 Hz, 400 Vac								
AC Voltage Range	280 ~ 490 Vac								
Rated Grid Frequency/Grid Frequency Range	50 Hz / 45 - 55 Hz, 60 Hz / 55 - 65 Hz								
Harmonic (THD)	< 5 % (At Rated Power)			< 1.5 % (at rated power)					
Power Factor at Rated Power / Adjustable Power Factor	~1 / (Adjustable 0.8 leading - 0.8 lagging)								
Efficiency									
Max. Efficiency	98.20%		98.30%	97.40%		99.50%	98.50%		
MPPT Efficiency	99.90%								
Protection									
Grid Monitoring	Yes								
DC Reverse Polarity Protection	Yes								
Short-Circuit Protection	Yes								
Leakage Current Protection	Yes								
Surge Protection	Yes								
DC switch	Yes								
Anti Islanding/Overvoltage Protection	Yes								
Residual Current Protection	Yes								
General Data									
Dimensions (Excluding Connectors)	420(W) mm * 370(H) mm * 130(D) mm						520(W) mm * 510(H) mm * 160(D) mm		
Weight	16 kg				23 kg				
Mounting Method	Wall-Mounting Bracket								
Topology	Transformerless								
Degree of Protection	Ip65 According to IEC60529								
Operating Ambient Temperature Range	-25°C - 60°C								
Allowable Relative Humidity Range (Non-Condensing)	0 - 95 %, No Condensation								
Cooling Method	Smart Cooling								
Max. Operating Altitude	3000m Without Power Derating								
Display	LCD								
Communication	Wifi Standard, Rs485, GPRS								
DC Connection Type	Mc4 Compatible Connector								
Acoustic Noise Level (dB)	<30								
Warranty	8 Years								
Standards and Compliance									
Grid Compliance	CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2, BIS, IEC 60068-2, IEC 61683:1999, IEC 61727:2004, IEC 62116:2014, IEC/EN 62109-1, IEC/EN 62109-2, IEC 61000								