



GRID-TIED **3KW** SOLAR INVERTER

MICROTEK GTI 3KW D11

1-Phase | 1 MPPT

**EMPOWERING EVERY HOME
UNDER PM SURYA GHAR YOJANA
WITH
TRUSTED INVERTER TECHNOLOGY**



Remote Firmware Upgrade



IP65 design for Outdoor



Type II SPD for both DC and AC



Compatible with 500Wp+ PV Modules



Low Start-up Voltage, wide MPPT Voltage Range



1 MPPT with Max. Efficiency 97.3%



Supports Modbus Communication, in-built WiFi



IV Curve Scanning Function





MICROTEK SINGLE-PHASE GRID-TIED INVERTER

3KW



TECHNICAL DATA	MTK GTI 3KW-D11
PRODUCT PN	899-362-3000
PV INPUT (DC)	
MAX. PV INPUT POWER	3900W
MAX. PV INPUT VOLTAGE	550V
START-UP INPUT VOLTAGE	80V
RATED INPUT VOLTAGE	360V
MPPT OPERATING VOLTAGE RANGE	70-500V
MAX. PV INPUT CURRENT	20A
MAX. PV I/P SHORT CIRCUIT CURRENT	30A
NUMBER OF MPPT/ STRING PER MPPT	1/1
OUTPUT (AC)	
RATED POWER (KW)	3
MAX ACTIVE POWER (KW)	3.3
RATED AC OUTPUT CURRENT (A)	13
MAX. AC OUTPUT CURRENT (A)	14.4
NOMINAL GRID VOLTAGE	L/N/PE 220/230VAC
GRID VOLTAGE RANGE	180VAC-276VAC (ACCORDING TO LOCAL STANDARD)
NOMINAL FREQUENCY	50/60HZ
GRID FREQUENCY RANGE	45-55HZ/55-65HZ ACCORDING TO LOCAL STANDARD
THDi	<3%
POWER FACTOR	1 (ADJUSTABLE +/-0.8)
EFFICIENCY	
MAX. EFFICIENCY (DC-AC)	97.30%
EUROPEAN WEIGHTED EFFICIENCY	97.10%
MPPT EFFICIENCY	>99%
PROTECTIONS	
ANTI - ISLANDING PROTECTION, DC REVERSE POLARITY PROTECTION, OVER TEMP PROTECTION, LEAKAGE CURRENT PROTECTION, OVER VOLTAGE PROTECTION, OVER CURRENT PROTECTION, EARTH FAULT DETECTION	
SURGE PROTECTION LEVEL	DC TYPE-II & AC TYPE-II
COMMUNICATION	
STD COMMUNICATION INTERFACE	RS485/Bluetooth/In-built WIFI/GPRS(Optional)
GENERAL DATA	
TOPOLOGY	TRANSFORMERLESS (NON-ISOLATED)
AMBIENT TEMPERATURE RANGE	MINUS 25 to +60°C, >45°C Derating
ALLOWABLE REL. HUMIDITY RANGE	0 - 100%
NOISE	<= 35dB@1M
DC SWITCH	NOT AVAILABLE
COOLING	NATURAL CONVECTION
MAX. OPERATING ALTITUDE	2000 Meter
DIMENSION (mm)	280W x 310H x 184D
WEIGHT	6.35 Kgs
DISPLAY	LCD+LED
DEGREE OF PROTECTION	IP65
SELF - CONSUMPTION AT NIGHT	<1W
WARRANTY	10 YEARS
STANDARD	
SAFETY / EMC	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EC 61000-6-1/2/3/4
GRID STANDARDS/REGULATIONS	IEC 61727, IEC 62116, EN 50549, NRS097, RD 140, UNE 27002, G98, G99, VDE-AR-N 4105

NOTE: Because of a policy of continuous product improvement, the specifications are subject to change without notice.

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