



GRID-TIED SOLAR INVERTER

5KW

8KW

10KW

15KW

30KW

MICROTEK GTI 5KW D32 / 8KW D32 / 10KW D32 / 15KW D32 / 30KW D32

3-Phase | 2 MPPT



Remote Firmware Upgrade



2 MPPT with Max. Efficiency upto 98.60%



IP65 design for Outdoor



Supports Modbus Communication, in-built WiFi



Type II SPD for both DC and AC



IV Curve Scanning Function



Compatible with 500Wp+ PV Modules



Low Start-up Voltage, wide MPPT Voltage Range





MICROTEK THREE-PHASE DUAL MPPT GRID-TIED INVERTER



TECHNICAL DATA	MTK GTI 5KW D32	MTK GTI 8KW D32	MTK GTI 10KW D32	MTK GTI 15KW D32	MTK GTI 30KW D32
PRODUCT PN	899-441-5000	899-441-8000	899-441-010K	899-441-1502	899-441-030K
INPUT PV (DC)					
MAX. PV INPUT POWER	7500W	12000W	15000W	22500W	45000W
NUMBER OF INDEPENDENT MPPT	2				
NUMBER OF DC INPUTS per MPPT	1			1+2	3+3
MAX. PV INPUT VOLTAGE	1100V				
START-UP PV INPUT VOLTAGE	140V				250V
RATED PV INPUT VOLTAGE	600V				
MPPT VOLTAGE RANGE	120V-1000V				200 - 1000V
FULL LOAD MPPT VOL. RANGE	350V-850V	480V-850V			
MAX PV INPUT CUR. PER MPPT	20A/20A			20A / 26A	40A / 40A
I/P SHORT CKT. CUR. PER MPPT	30A/30A			30A / 39A	60A / 60A
OUTPUT (AC)					
RATED AC OUPUT ACTIVE POWER	5000W	8000W	10000W	15000W	30000W
MAX. AC O/P APPARENT POWER	5500VA	8800VA	11000VA	16500VA	33000VA
MAX O/P CUR. PER PH. @ 230VAC	8A	12.8A	16A	24A	47.9A
NOMINAL GRID VOLTAGE	3P/N/PE, 230/400VAC				
GRID VOLTAGE RANGE	320 ~480VAC				
FREQUENCY	NOMINAL FREQUENCY: 50/60HZ / GRID FREQUENCY RANGE: 50HZ +/- 5HZ				
THDi	<3%				
POWER FACTOR	1(ADJUSTABLE + -0.8)				
PERFORMANCE					
MAX. EFFICIENCY(DC-AC)	98%	98%	98.30%	98.60%	98.60%
EURO EFFICIENCY(EU/CEC)	97.60%	97.80%	98%	98.00%	98.20%
SELF-CONSUMPTION AT NIGHT	<1W				
MPPT EFFICIENCY	>99%				
PROTECTIONS					
DC REVERSE POLARITY PROTECTION, AC OUTPUT OVER-VOLTAGE PROTECTION, AC OUTPUT OVER-CURRENT PROTECTION, OUTPUT SHORT-CIRCUIT PROTECTION, ANTI-ISLANDING PROTECTION, INSULATION IMPEDANCE DETECTION, RESIDUAL CURRENT DETECTION					
DC SWITCH	YES				
SURGE PROTECTION LEVEL	PV : type-II , AC : type-II				
ZERO-EXPORT FUNCTION	Optional with External Smart-Meter + 3 CTs				
COMMUNICATION					
STD. COMMUNICATION MODE	Bluetooth, RS485 & In-built WIFI, GPRS(OPTIONAL)				
GENERAL DATA					
OPERATING TEMP. RANGE	Minus25°...+60°C, >45°C Derating				
ALLOWABLE RH RANGE	0...100% No Condensing				
TOPOLOGY	Transformer-less				
DEGREE OF PROTECTION	IP65				
MAX. OPERATING ALTITUDE	4000m				
NOISE	<45dB				<=60dB
WEIGHT	11.5KG				28.7KG
COOLING	Natural Cooling			Intelligent Air Cooling	
DIMENSION(W x H x D)(mm)	238 * 525 * 178MM			283 X 463 X 178MM	330 X 572 X 206MM
DISPLAY	LCD + LED				
WARRANTY	10-YEARS				
STANDARD					
SAFETY / EMC	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EC 61000-6-1/2/3/4				
GRID STDS./REGULATIONS	IEC 61727, IEC 62116, EN 50549, NRS097, RD 140, UNE27002, G99, VDE-AR-N 4105				

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