



GRID-TIED SOLAR INVERTER **40KW** | **50KW** | **60KW**

MICROTEK GTI 40KW D33 / 50KW D34 / 60KW D34

3-Phase | 3 MPPT (40KW) / 4 MPPT (50-60KW)



Remote Firmware Upgrade



3/4 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 THREE MPPT GRID-TIED INVERTER



TECHNICAL DATA	MTK GTI 40KW D33	MTK GTI 50KW D34	MTK GTI 60KW D34
PRODUCT PN	899-441-040K	899-441-050K	899-441-060K
INPUT PV (DC)			
MAX. PV INPUT POWER	60000W	75000W	90000W
NUMBER OF INDEPENDENT MPPT	3	4	
NUMBER OF DC INPUTS per MPPT	3 + 3 + 3	3 + 3 + 3 + 3	
MAX. PV INPUT VOLTAGE	1100V		
START-UP PV INPUT VOLTAGE	250V	200V	200V
RATED PV INPUT VOLTAGE	600V		
MPPT VOLTAGE RANGE	200 - 1000V		
FULL LOAD MPPT VOLTAGE RANGE	480 - 850V		
MAX PV INPUT CURRENT PER MPPT	40A / 40A / 40A	40A / 40A / 40A / 40A	
I/P SHORT CIRCUIT CURRENT PER MPPT	60A / 60A / 60A	60A / 60A / 60A / 60A	
OUTPUT (AC)			
RATED AC OUPUT ACTIVE POWER	40000W	50000W	60000W
MAX. AC OUTPUT APPARENT POWER	44000W	55000VA	66000VA
MAX O/P CURRENT PER PHASE @ 230VAC	63.8A	79.8A	95.7A
NOMINAL GRID VOLTAGE	3P/N/PE,230/400V		
GRID VOLTAGE RANGE	320 ~480VAC		
FREQUENCY	NOMINAL FREQ. RANGE :50/60HZ / GRID FREQ. RANGE: 50HZ + /- 5HZ		
THDi	<3%		
POWER FACTOR	1 (ADJUSTABLE + -0.8)		
PERFORMANCE			
MAX. EFFICIENCY(DC-AC)	98.60%		
EURO EFFICIENCY(EU/CEC)	98.00%		
SELF-CONSUMPTION AT NIGHT	<1W		
MPPT EFFICIENCY	>99%	>99%	>99%
PROTECTION			
DC REVERSE POLARITY PROTECTION, AC OUTPUT OVER VOLTAGE PROTECTION, AC OUTPUT OVER CURRENT PROTECTION, OUTPUT SHORT CIRCUIT PROTECTION, ANTI - ISLANDING PROTECTION, INSULATION IMPEDENCE 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 INTERFACE			
STANDARD COMMUNICATION MODE	Bluetooth, RS485 & WIFI (In-built in 40KW & 50KW, External dongle with 60KW), GPRS(OPTIONAL)		
GENERAL DATA			
OPERATING TEMPERATURE RANGE	- 25° ...+ 60°C, >45°C Derating		
ALLOWABLE RELATIVE HUMIDITY RANGE	0...100% No Condensing		
TOPOLOGY	Transformer-less		
DEGREE OF PROTECTION	IP65		
MAX. OPERATING ALTITUDE	4000m		
NOISE	<65dB		
WEIGHT	39KG		
COOLING	Intelligent Air Cooling		
DIMENSION (W x H x D)(mm)	434 X 570 X 243MM		
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 STANDARDS/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.