

Residential Series

INVERGY
UPGRADING POWER FOR BETTER FUTURE

Single Phase Solar GTI INV(EU)-E GT-01 Series

INV(EU)-E-1.5 GT-01

INV(EU)-E-2.0 GT-01

INV(EU)-E-2.7 GT-01

INV(EU)-E-3.0 GT-01

INV(EU)-E-3.3 GT-01

INV(EU)-E-3.8 GT-01







INV(EU)-E-4.0 GT-01

INV(EU)-E-4.2 GT-01

INV(EU)-E-5 GT-01

INV(EU)-E-6 GT-01



-  Patented Cooling Design
-  Unique H6 Topology Prevents Leakage Current
-  Dual cooling system (Force+Natural)
-  AFCI (Optional)
-  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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Model	INV(EU)-E-1.5GT-01	INV(EU)-E-2.0GT-01	INV(EU)-E-2.7GT-01	INV(EU)-E-3.0GT-01	INV(EU)-E-3.3GT-01	INV(EU)-E-3.6GT-01	INV(EU)-E-4.0GT-01	INV(EU)-E-4.2GT-01	INV(EU)-E-5GT-01	INV(EU)-E-6GT-01
Input (DC)										
Recommended max. PV input power	1950Wp	2600Wp	3500Wp	3900Wp	4290Wp	4680Wp	5200Wp	5300Wp	6500Wp	7800Wp
Max. PV input voltage	550V									
Min. System start PV voltage / Start-up input voltage	70 V / 65 V	75 V / 100 V								
Rated PV input voltage	450V									
MPP voltage range	70 V - 450 V	100 V - 450 V								
No. of independent MPP inputs	1									
Default No. of PV strings per MPPT	1									
Max. PV input current	18 A						22			
Max. DC short-circuit current	25 A						30			
Output (AC)										
Nominal AC output power	1500W	2000W	2700W	3000W	3300W	3600W	4000W	4200W	5000W	6000W
Max. AC Output power	1650 VA	2200 VA	2970 VA	3300 VA	3630 VA	3900 VA	4400 VA	4500 VA	5500 VA	6600 VA
Max. AC output current	6A	8A	12A	16A	16.6A	17.22A	19.13A	20.09A	23.91A	28.70A
Nominal AC output voltage Range	220 V / 230 V									
AC voltage range	180 V - 270 V									
Rated grid frequency / Grid frequency range	50 Hz / 45 - 55 Hz, 60 Hz / 55 - 65 Hz									
Harmonic (THD)	< 1.5 % (at rated power)					< 2.5 % (at rated power)				
Power factor at rated power / Adjustable power factor	-1 / (Adjustable 0.8 leading - 0.8 lagging)									
Efficiency										
Max. efficiency	97.30%	97.40%	97.50%	97.80%			97.50%	97.60%		
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	Optional									
Anti Islanding/Overvoltage Protection	Yes									
PV string current monitoring	Yes									
General Data										
Dimensions (W * H * D)	300 mm * 294 mm * 104 mm					370 mm * 318.5 mm * 105.5 mm				
Weight	5 kg					7 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 %									
Cooling method	Natural cooling									
Max. operating altitude	2000m Without power derating									
Display	Graphic LCD									
Communication	Wifi Standard, RS485 optional									
DC connection type	MC4 Compatible Connector									
AC connection type	Plug and play connector									
Night power consumption (w)	<0.2									
Acoustic noise level (dB)	<25									
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									