

# INV (EU)-E-3 / 3.3 / 3.6 GT-01

Double-MPPT String Inverter for 600 Vdc System

NEW



## HIGH YIELD

- Compatible with high power PV modules and bifacial modules
- Lower startup & wider MPPT voltage range
- Built-in smart PID recovery function

## SAFE AND RELIABLE

- Integrated arc fault circuit interrupter
- Built-in Type II DC&AC SPD
- Corrosion protection rating at C5

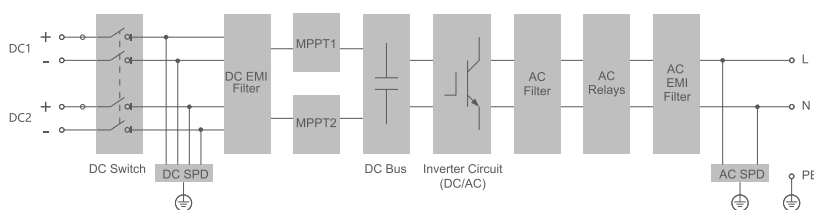
## USER FRIENDLY SETUP

- Plug and play installation
- One-click access to iSolarCloud monitoring platform
- Light and compact with optimized heat dissipation design

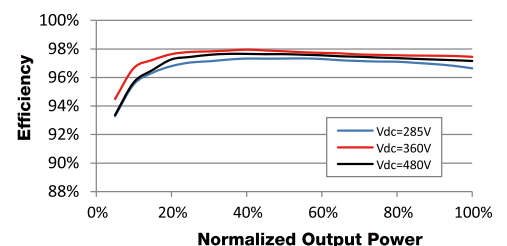
## SMART MANAGEMENT

- Real time data (10 seconds refresh sample)
- 24/7 live monitoring both online and with integrated display
- Online IV curve scan and diagnosis

## CIRCUIT DIAGRAM



## EFFICIENCY CURVE



Type designation	INV (EU)-E-3 GT-01	INV (EU)-E-3.3 GT-01	INV (EU)-E-3.6 GT-01
<b>Input (DC)</b>			
Recommended max. PV input power	3 kWp	3.3 kWp	3.6 kWp
Max. PV input voltage		600 V	
Min. operating PV voltage / Start-up input voltage		40 V / 50 V	
Rated PV input voltage		360 V	
MPP voltage range		40 – 560 V	
No. of independent MPP inputs	1	2	
Default No. of PV strings per MPPT		1	
Max. PV input current		(16 A)	
Max. DC short-circuit current		(20 A)	
<b>Output (AC)</b>			
Rated AC output power	3000 W	3300 W	3600 W*
Max. AC Output power	3000 VA	3000 VA	3600 VA*
Rated AC output current (at 230 V)	13.1 A	15 A	16 A**
Max. AC output current	13.7 A	15.6 A	16.6 A**
Rated AC voltage		220 / 230 / 240 V	
AC voltage range		154 – 276 V	
Rated grid frequency / Grid frequency range		50 Hz / 45 – 55 Hz, 60 Hz / 55 – 65 Hz	
Harmonic (THD)		< 3 % (at rated power)	
Power factor at rated power / Adjustable power factor		> 0.99 / 0.8 leading – 0.8 lagging	
Feed-in phases / Connection phases		1 / 1	
<b>Efficiency</b>			
Max. efficiency		97.9 %	
European efficiency	97.0 %	97.2 %	97.3 %
<b>Protection</b>			
Grid monitoring		Yes	
DC reverse polarity protection		Yes	
AC short-circuit protection		Yes	
Leakage current protection		Yes	
Surge Protection		DC type II / AC type II	
DC switch		Yes	
PV string current monitoring		Yes	
Arc fault circuit interrupter (AFCI)		Optional	
PID recovery function		Yes	
<b>General Data</b>			
Dimensions (W*H*D)		410 * 270* 150 mm	
Weight		10 kg	
Mounting method		Wall-mounting bracket	
Topology		Transformerless	
Degree of protection		IP65	
Operating ambient temperature range		-25 to 60 °C	
Allowable relative humidity range (non-condensing)		0 – 100 %	
Cooling method		Natural cooling	
Max. operating altitude		4000 m	
Display		LED digital display & LED indicator	
Communication		Ethernet / WLAN / RS485 / DI (Ripple control & DRM)	
DC connection type		MC4 (Max. 6 mm <sup>2</sup> )	
AC connection type		Plug and play connector (Max. 6 mm <sup>2</sup> )	
Grid compliance		IEC/EN62109-1/2, IEC/EN62116, IEC/EN61727, IEC/EN61000-6-2/3, EN50549-1, BIS	
Grid Support		Active & reactive power control and power ramp rate control	