

# PV GRID-TIE CENTRAL INVERTER (with Transformer, 3 Phase)

## TECHNICAL SPECIFICATION

MODEL	GT55	GT110	GT275	GT550	GT690
Maximum DC Power					
Maximum DC Voltage	900VDC				
MPPT Range	450VDC ~ 850VDC (Rated Voltage 576VDC)				
MPPT Tracking	1				
Maximum Input Current	120A	240A	600A	1200A	1440A
<b>OUTPUT</b>					
Rated Output Power	55KW	110KW	275KW	550KW	690KW
Rated Output Voltage	400VAC				
AC Output Topology	3Ph+N+PE				
Output Voltage Range	(1±15%) x Normal AC Voltage (adjustable ±5%,±10%,±15%,±20%)				
Grid Frequency Range	50/ 60Hz (±4.5Hz), (adjustable)				
Rated AC Output Current	72A	144A	361A	722A	909A
Max. AC Output Current	79A	158A	397A	794A	1000A
Power Factor (cos)	1 ( 0.9 leading – 0.9 lagging) (adjustable)				
THDi	<3%				
<b>SYSTEM FEATURES</b>					
Max. Efficiency	>97%	>97.5%	>97.6%	>98.1%	>98.1%
Euro. Efficiency	>96.5%	>96.9%	>97.0%	>97.6%	>97.6%
MPPT Efficiency	>99%				
Standby (night time) losses	<10W				
Cooling	Forced Air Cooling				
Communication Interface	RS485, Ethernet (Optional)				
<b>ENVIRONMENTAL</b>					
Operating Temperature	-40C ~ 50C				
Humidity Range	0~95% (non-condensing)				
Altitude	3000m				
Noise Level	<58db	<58db	<60db	<60db	<60db
Protection Rating	IP20				
<b>DIMENSION</b>					
Dimension WxHxD (mm)	600x1600x945	835x1850x945	1200x1850x945	1600x1850x945	1600x1850x945
Net Weight (kg)	520	900	1470	2800	3150
<b>STANDARDS</b>					
Safety	IEC/EN62109-1,IEC/EN62109-2,CNCA/CTS0004 :2009A,CNCA/CTS0006-2010,LVRT,etc				
EMC	IEC/EN61000-6-2, IEC/EN61000-6-4,etc				