

PV GRID TIE SOLAK INVERTER (Transformerless, 3 Phase)

TECHNICAL SPECIFICATION

MODEL	GT55	GT110
Maximum DC Power	33KW	60KW
Maximum DC Voltage	1000VDC	
MPPT Range	250VDC ~ 850VDC	
MPPT Tracking	3	
Maximum Input Current	26Ax3	36Ax3
OUTPUT		
Rated Output Power	30KW	50KW
Rated AC Output Power	30.5KW	51KW
Rated AC Output Voltage	400VAC	
Output Voltage Range	400±20% adjustable	
AC Output Topology	3PH+N+PE Transformer-less	
Grid Frequency Range	50/60Hz (±5Hz), (adjustable)	
Rated AC Output Current	44A	72A
Max. AC Output Current	48A	75A
Power Factor (cos)	0.9 leading~0.9 lagging	
THDi	<3%	
SYSTEM FEATURES		
Max. Efficiency	>98.3%	
Euro. Efficiency	>97.9%	
MPPT Efficiency	99.9%	
Standby (night time) losses	<0.2W	
Cooling	Natural cooling	Forced air cooling
DC Switch	Optional	
Communication Interface	RS485 standard, external WiFi or Ethernet (optional)	
ENVIRONMENTAL		
Operating Temperature	- 20 °C ~ 60 °C	
Humidity Range	0~95% (non-condensing)	
Altitude	2000m	
Noise Level	40db	60db
Protection Rating	IP65	
PHYSICAL		
Dimension WxHxD (mm)	630×235×1000	
Net Weight (kg)	70	75
Safety	IEC/EN62109-1, IEC/EN62109-2, VDE0126-1-1, VDE AR N4105, G83/59/EEG2012, AS3100/4777, CEI 0-21,, NB/T 32004-2013,	
EMC	EN61000-6-2, EN61000-6-3, EN61000-3-11, EN61000-3-12	

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