

XG 25-40kW

Three Phase Grid-tied Solar Inverter



1.6X DC input overload
1.1X AC output overload



I-V Scanning
and intelligent
diagnosis



IP66



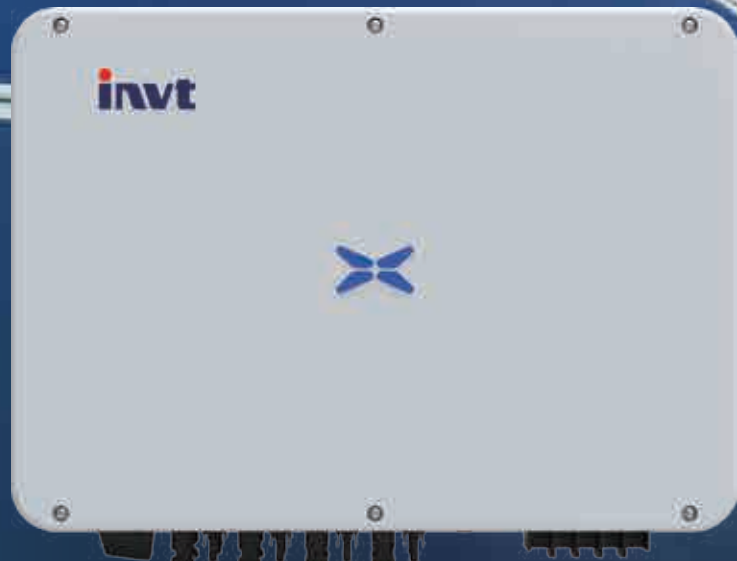
Intelligent
fault detection



4 MPPT



Anti-PID
optional



	XG25KTR	XG30KTR	XG33KTR	XG36KTR	XG40KTR
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DC input parameter

Max. DC input power	40kW	48kW	52.8kW	57.6kW	64kW
Max. DC input voltage	1100V				
Starting voltage / Min. operation voltage	250V / 180V				
MPPT Voltage range	200V ~ 1000V				
Number of MPPT / String per MPPT	3 / 2			4 / 2	
Max. DC current per MPPT x Number of MPPT	26A x 3			26A x 4	

AC output parameter

Max. output power	27.5kVA	33kVA	36.3kVA	39.6kVA	44kVA
Max. AC output current	40.1A	48.3A	53A	57.8A	64.3A
Rated output power	25kW	30kW	33kW	36kW	40kW
Power factor	-0.8 ~ +0.8 (Adjustable)				
THDi	< 3% (At rated power)				
Rated AC voltage / Frequency	230V / 400V, 3L + N + PE / 3L + PE, 50Hz / 60Hz				

Efficiency

Max. efficiency	98.60%
Euro efficiency	98.40%
MPPT efficiency	99.90%

Protection

Protection	DC switch, Input over voltage protection, AC short circuit protection, AC output over current protection, Isolation protection, PV string detection, DC ARC fault detection, RCD detection, Surge protection, Anti-island protection, Over temperature protection, Grounding fault monitoring, DC/AC II degree lightning protection, Grid monitoring, single/multiple inverter anti-reverse protection; etc.
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Display and Communication

Display	LED / LCD / WiFi + App
Interface	RS485 (Standard) / WiFi / USB / GPRS (Optional)

Standard

Grid qualification	VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12, IEC 62109-1:2010
Safety / EMC	VDE-AR-N4105, AS4777/3100, CQC

General parameter

Cooling	Smart cooling
Protection degree	IP66
Night self-consumption	< 1W
Topology	Transformerless
Operating temperature range	-30°C ~ +60°C (Derating after 45°C)
Relative humidity	0 ~ 100%
Highest altitude	≤ 4000m (Derating above 3000m)
Dimension (W x H x D)	570 x 420 x 230 mm
Weight	32kg
Warranty	5 years (Standard) / 10 years (Optional)



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