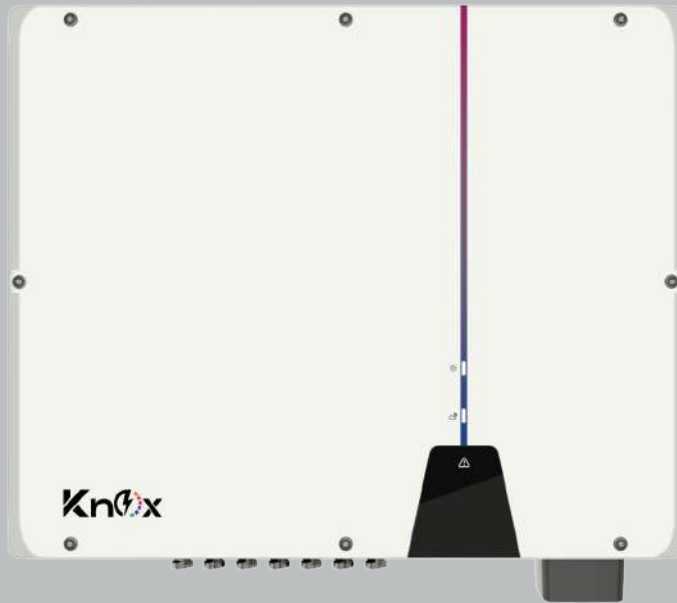


Three Phase Inverter 40 to 50kW

Xerox G4 Pro Series



Models:

G4 Pro 40K/60kV

G4 Pro 50K/75kV



Easy-to-install

- Phoenix Contact connectors for reliable tool-free DC connection
- Compact wall mount design
- Fuse-free design thereby reducing BOS cost
- Setup, commissioning and monitoring via the Ai Solar app



Reliable

- 150 % PV array oversizing for higher yields
- Up to 5 MPPT's for flexible PV array design
- Max. 20A input current per string, ideal for bifacial and large area PV modules
- ShadeSol - improved generation under non-ideal conditions



User-Friendly

- Type II AC & DC Surge Protection
- Integrated DC switches
- IP66 rated design for outdoor use

Technical Datasheet

PRODUCT MODEL	G4 Pro 40K/60kpV	G4 Pro 50K/75kpV
INPUT (AC)		
Max. PV array power	60000 Wp STC	75000 Wp STC
Max. input voltage	1100 V	
MPP voltage range / rated input voltage	180 V - 1000 V / 630 V	
Min. input voltage	160 V	
Initial. feed-in voltage	200 V	
Max. short circuit current	40 A / 32 A / 20 A / 20 A	40 A / 40 A / 20 A / 32 A
Max. operating input current	50 A / 40 A / 25 A / 25 A	50 A / 50 A / 25 A / 40 A
No. of independent MPPT inputs / strings per MPPT input	4 / A:2; B:2; C:1; D:1	4 / A:2; B:2; C:1; D:2
OUTPUT (AC)		
Rated active power	40000 W	50000 W
Rated apparent power	40000 VA	50000 VA
Max. apparent power	44000 VA	55000 VA
AC nominal voltage	230 V / 400 V	
AC voltage range	160 V - 300 V / 320 V - 520 V	
AC grid frequency / range	50 Hz / 45 Hz - 55 Hz 60 Hz / 55 Hz - 65 Hz	
Max. output current	63.8 A	79.7 A
Rated output current	58.0 A	72.5 A
Adjustable power factor range	0.8 leading to 0.8 lagging	
Feed-in phases		
Harmonic distortion (THD) at rated output	< 3%	
EFFICIENCY & PROTECTION		
Max. efficiency / European efficiency	98.7% / 98.3%	
DC Switch	●	
Ground fault monitoring / grid monitoring	● / ●	
DC reverse polarity protection / AC short circuit protection	● / ●	
All-pole-sensitive residual-current monitoring unit	●	
Arc fault circuit interrupter (AFCI)		
Anti-Islanding protection	●	
Surge protection	● / Type II	
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II	
GENERAL DATA		
Dimensions (W / H / D)	574 / 513.5 / 234.5 mm	
Weight	29.5 kg	30.5 kg
Operating temperature range	-30 °C ... +60 °C	
Self-consumption (at night)	<1 W	
Topology	Non-isolated	
Cooling concept	Active cooling	
Degree of protection (according to IEC 60529)	IP66	
Climatic category (according to IEC 60721-3-4)	4K4H	
Max. permissible value for relative humidity (non-condensing)	1	
Max. operating altitude	3000 m	
FEATURES		
DC connection	Plug-in connector	
AC connection	Plug-in connector	
Mounting type	Wall-mount bracket	
LED indicators (Status / Fault / Communication)	●	
Communication interface¹	● / ● / O / O (RS485 / Wi-Fi / LAN / 4G)	
Country of manufacture	China	
Certificates and approvals (more available on request)	IEC62109-1 / IEC62109-2 / IEC62727 / IEC62683 / IEC62116	

● standard features ○ optional features – not available

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

Data at nominal conditions. All information is subject to change.