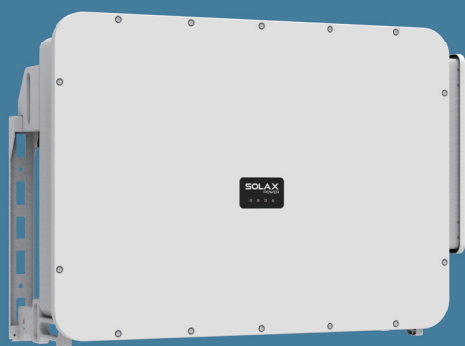


NEW FROM SOLAX

X3-GRAND HV



X3-GRAND HV
300kW / 320kW
333kW / 350kW

Features

More energy harvest

- Maximum efficiency up to 99%
- 500~1500 Vdc MPPT voltage range
- Maximum 6 MPPTs, 5 strings per MPP tracker
- Maximum 75A MPPT current

Safety & Reliability

- IP66 protection level and NEMA4X for US
- AFCI protection (Optional)
- AC terminal temperature detection
- Both AC&DC SPDs(Type II) inside, Type I+II SPD is optional

Intelligence for easy maintenance and economy

- Smart IV curve scan for early PV diagnosis
- Remote setting and upgrading
- 24 hours operation monitoring
- Power line communication(PLC)(Optional)

Contact Us for More Information

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	X3-GRD-300K-HV	X3-GRD-320K-HV	X3-GRD-333K-HV	X3-GRD-350K-HV
DC Input				
Max. PV input voltage ^①			1500V	
Nominal input voltage			1080V	
Start-up voltage			550V	
MPPT voltage range ^②			500~1500V	
Max. PV input current per MPPT			75A	
Max. input short circuit current I _{sc} per MPPT			115A	
No. of MPP trackers			6	
Strings per MPP tracker			5	
AC Output				
Rated AC output power	300kVA	320kVA	333kVA	352kVA
Rated AC output current	216.6A	231A	240A	254A
Max. AC output apparent power	330kVA	352kVA	333kVA	352kVA
Max. AC output current	238.2A	254A	254A	254A
Nominal AC voltage	3W+PE,800V	3W+PE,800V	3W+PE,800V	3W+PE,800V
AC voltage range ^③	640-920V	640-920V	640-920V	640-920V
Nominal AC frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Power Factor range	>0.99 (0.8 leading-0.8 lagging)	>0.99 (0.8 leading-0.8 lagging)	>0.99 (0.8 leading-0.8 lagging)	>0.99 (0.8 leading-0.8 lagging)
THDi (Rated power)	<1%	<1%	<1%	<1%
EFFICIENCY				
Max. efficiency			99%	
European weighted efficiency			98.80%	
GENERAL				
Dimensions (WxHxD)			1199.5*825*368.3mm	
Net weight			<120kg	
Topology			Non-isolated	
Standby consumption (night)			<15W	
Operating ambient temperature range			-30 ~ +60°C	
Relative humidity			0-100%	
Ingress protection			IP66 / NEMA4X	
Cooling concept			Smart fan-cooling	
Max. operation altitude without derating			4000m	
DC connection			MC4 (Max.6 mm ²)	
AC connection			OT/DT terminal (Max.400 mm ²)	
Display			LED, LCD(Optional), APP	
Communication			RS485/USB/(Optional:WiFi/LAN/4G/PLC)/DI/Sunspec/2030.5/Modbus_RTU/Modbus_TCP	
PROTECTION				
DC switch			Yes	
DC reverse protection			Yes	
Over current protection			Yes	
Over voltage protection			Yes	
Anti-islanding protection			Yes	
SPD (DC/AC)			Type II (Optional: Type I+II)	
Arc-fault circuit interrupter(AFCI)			Optional	
AC terminals over temperature detection			Yes	
Nighttime SVG			Yes	
Fan self-cleaning			Yes	
AC auxiliary power supply(APS)			Yes	
Power line communication(PLC)			Optional	

① The PV input voltage exceeding the MPPT operating voltage range will trigger inverter protection or possibly cause damage to the inverter.

② Please refer to the user manual for the MPPT voltage range at full load condition. PV voltage out of the full load MPPT range will trigger the inverter derating protection or possibly cause damage to the inverter if it exceeds the Max. input voltage.

③ AC Voltage range will vary and depend on the local regulations.