

X3-PRO-62

THREE PHASE INVERTER



PRODUCT SPECIFICATIONS



Maximum Efficiency
Maximum Efficiency up to 99%



MPPT Voltage Range
180~1000Vdc MPPT Voltage Range



IP66 Protection
IP66 protection level



Multiple MPPTs
Maximum 12 MPPTs, 2 strings per MPP tracker



24h Monitoring
24 hours operation monitoring



Heat Dissipation
Heat Dissipation Technology



DC INPUT								
Max. PV array input power [Wp]	12000	15000	18000	22500	25500	30000	37500	45000
Max. PV input voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100
Start startup voltage [V]	200	200	200	200	200	200	200	200
Nominal input voltage [V]	650	650	650	650	650	650	650	650
MPP tracker voltage range [V]	160~980							
No. of MPP trackers	2	2	2	2	2	2	3	3
Strings per MPP tracker	2	2	2	2	2	2	2	2
Max. PV input current [A]	32/32	32/32	32/32	32/32	32/32	32/32	32/32/32	32/32/32
Isc PV Array Short Circuit current [A]	40/40	40/40	40/40	40/40	40/40	40/40	40/40/40	40/40/40

AC OUTPUT								
Rated AC output power [kW]	8000	10000 ^①	12000	15000	17000	20000	25000	30000 ^②
Rated AC output current [A]*	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	25.8/24.7	30.3/29	37.9/36.3	45.5/43.5
Max. AC output apparent power [VA]	8800	11000 ^①	13200	16500	18700	22000	27500	30000 ^②
Max. AC output current [A]	13.2	16	19.3	24.2	27.5	33.6	41.8	45.5
Nominal AC voltage/AC voltage range [V]**	220/380V, 230/400V, 3/N/PE, 3/PE; 95-285V							
Nominal AC frequency/AC frequency range [Hz]**	50/60; ±5							
Power Factor range	0.8 leading ~ 0.8 lagging							
THDi (Rated power) [%]	<3							

SYSTEM DATA								
Max. efficiency [%]	98.20	98.20	98.20	98.30	98.30	98.30	98.50	98.50
Euro. efficiency [%]	97.70	97.70	97.70	97.80	97.80	97.80	98.00	98.00
Standby consumption (Night) [W]	<3							
Ingress protection	IP66							
Operating ambient temperature range [°C]	-30~+60 (Derating above 45)							
Max. operation altitude [m]	4000 (Derating above 3000)							
Relative humidity [%]	0~100							
Typical noise emission [dB]	<35	<35	<35	<55	<55	<55	<55	<58
Storage temperature [°C]	-30~+60							
Dimensions (W×H×D) [mm]	482×417×181							
Weight [kg]	24.5			26			28	
Cooling concept	Natural cooling			Smart fan cooling				
Communication interfaces	USB / RS485 / DRM, Optional: Meter							
Optional monitoring dongle	Pocket WiFi/LAN/4G							
Display	2 x LED + LCD (16 x 2) / APP							

PROTECTION								
Over/under voltage protection	YES							
DC isolation protection	YES							
Grid monitoring	YES							
DC injection monitoring	YES							
Residual current detection	YES							
Anti-islanding protection	YES							
Over Temp protection	YES							
SPD (DC/AC)	Type II / Type II							
AC auxiliary power supply (APS)	Optional							
Arc-fault circuit interrupter (AFCI)	Optional							

STANDARD								
Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004							
EMC	IEC/EN 61000; NB/T 32004							
Certification	VDE4105; EN 50549; AS 4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50530; NB/T 32004							

* The two data refer to different grid voltage 220V/230V

** The AC voltage and the frequency range may vary from different country codes

①9999 for AS4777.2 ②29999 for AS4777.2

*V2.5. Information may be subject to modify without notice. 650.00004.00