



Datasheet	PX3-20K0-TL	PX3-33K0-TL	PX3-70K0-TL
Input data (DC)			
Max. DC input power (W)	24 000	39 600	84 000
Max. DC input power voltage (V)	1 000		1 100
Starting / Min operation voltage (V)	300/200	300/280	200/570
MPPT range (V)	180-800	280-800	570-950
Quantity of MPPT / String per MPPT	2/2	2/3	1/14
Max. DC current (A) per MPPT x quantity of MPPT	25x2	33x2	120x1
Output (AC)			
Rated output power (W)	20 000	33 000	66 000
Max. AC output current (A)	32	48	96
Max. Output power (W) (PF=1)	20 000	33 000	66 000
Max. apparent power (VA)	20 000	33 000	66 000
Power factor	-0.8 ~ +0.8 (adjustable)		
THDi	< 3% (at rated power)		
Nominal output voltage (V) / frequency (Hz)	230/400; 220/380, 3L+N+PE/3L+PE, 50/60		
Efficiency			
Max. efficiency	98.40%	98.50%	99.00%
Euro-efficiency	98.00%	98.10%	98.50%
MPPT efficiency	99.90%		
Protection			
Protection	DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc.		
General data			
Display	3.5 inches LCD display, support backlit display		
LCD language	English, German, Dutch, Polish		
Communication interface	RS485 (Standard); Wifi, Ethernet (optional)	RS485 (Standard), Wifi, Ethernet and PLC carrier communication (optional)	
Cooling method	Smart cooling		
Protection degree	IP65		
Night self consumption (W)	<0.5		
Topology	Transformerless		
Operation temperature range	-25°C ~ +60°C (derate after 45°C)		
Relative humidity	0 ~ 100%		
Dimension (H x W x D mm)	660 x 520 x 250		810 x 654 w 235
Weight (kg)	52		53
Grid qualification	DIN VDE 0126-1-1:2013, VDE-AR-N 4105:2011, DIN VDE V 0124-100:2012, IEC 61727(IEC62116), AS/NZS 4777.2:2015, NB/T32004-2013, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, C10/11:2002, G59/3-2:2015, EN 50438:2013, Leader, ZVRT, PEA;		NB/T 32004-2013, TUV, CE, VDE0126-1-1, VDE-AR-N4105, G59/3, C10/11, TF3.2.1, AS/NZS 4777.2:2015, EN61000-6-1:4, EN61000-11:12, IEC62109-1:2010, PEA, ZVRT; EN50549-1; EN50549-1
Safety certificates / EMC certificates	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011		VDE-AR-N4105, AS4777/3100, CQC
Factory warranty (years)	5(standard)/10(optional)		