

PCO 15-25kW

Three Phase On-Grid Solar Inverter



2 MPP Trackers



160% DC Input
Oversizing



Smart I-V Curve
Diagnosis Supported



DC & AC Type II SPD



Intelligent Fault
Detection



IP66 Protection



AFCI Function
(Optional)



	PCO15KTR	PCO17KTR	PCO20KTR	PCO22KTR	PCO25KTR
Input (DC)					
Max. Input Power	24kW	27.2kW	32kW	35.2kW	40kW
Max. Input Voltage	1100V				
Start Voltage	250V				
Rated Input Voltage	600V				
Full-load MPP Voltage Range	480V ~ 800V			520V ~ 800V	560V ~ 800V
MPPT Voltage Range	200V ~ 1000V				
Number of MPP Trackers	2				
Number of string per MPPT	2 / 2			2 / 3	
Max. Current per MPPT	26A			26A / 39A	
Max. Short Circuit Current per MPPT	32A			32A / 48A	
Output (AC)					
Max. Output Current	24.1A	27.2A	32.1A	35.3A	39.8A
Rated Output Power	15kW	17kW	20kW	22kW	25kW
Max. Output Power	16.6kVA	18.8kVA	22.2kVA	24.4kVA	27.5kVA
Rated Grid Frequency	50Hz / 60Hz				
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE				
Power Factor	>0.99 (0.8 leading~0.8 lagging)				
THDi	<3% (Rated Power)				
Efficiency					
Max. Efficiency	98.40%				
European Efficiency	98.00%				
MPPT Efficiency	99.90%				
Protection					
DC reverse polarity protection	Yes				
Anti-islanding protection	Yes				
AC short circuit protection	Yes				
Residual current monitoring unit	Yes				
Insulation resistance monitoring	Yes				
Ground fault monitoring	Yes				
Grid monitoring	Yes				
PV string monitoring	Yes				
Surge protection	Type II				
AFCI protection	Optional				
Communication					
Display	LED / LCD / WIFI+APP				
Communication	Standard: RS485/USB Optional: WiFi / GPRS / Ethernet				
Standard Compliance					
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2015, CEI-021, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99				
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011				
General Data					
Dimensions (W x H x D)	534 x 440 x 220 mm				
Weight	24kg				
Operating Temperature Range	-25° C ~ +60° C				
Cooling Method	Smart Cooling				
Protection Degree	IP66				
Max. Operating Altitude	4000m				
Relative Humidity	0 ~ 100%				
Topology	Transformerless				
Night Power Consumption	<1W				
Warranty	5 years (Standard) / 10 years (Optional)				