

PCO 3-15kW 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)



Omnispower
EUROPE

	PCO3KTR	PCO4KTR	PCO5KTR	PCO6KTR	PCO8KTR	PCO9KTR	PCO10KTR	PCO11KTR	PCO12KTR	PCO15KTR1	
Input (DC)											
Max. Input Power	4.8kW	6.4kW	8kW	9.6kW	12.8kW	14.4kW	16kW	17.6kW	19.2kW	24kW	
Max. Input Voltage	1100V										
Start Voltage	160V										
Rated Input Voltage	600V										
Full-load MPP Voltage Range	250V ~ 850V			320V ~ 850V		400V ~ 850V		450V ~ 850V		480V ~ 850V 500V ~ 850V	
MPPT Voltage Range	180V ~ 1000V										
Number of MPP Trackers	2										
Number of String per MPPT									1 / 1		1 / 2
Max. Current per MPPT									14A / 14A		14A / 28A
Max. Short Circuit Current per MPPT									18A / 18A		18A / 36A
Output (AC)											
Max. Output Current	4.8A	6.4A	8A	9.6A	12.8A	14.4A	15.9A	17.5A	19.1A	23.9A	
Rated Output Power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	15kW	
Max. Output Power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA	9.9kVA	11kVA	12.1kVA	13.2kVA	16.5kVA	
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%				98.70%						
European Efficiency	98.30%				98.50%						
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										
Surge protection	Type II										
AFCI protection	Optional										
Communication											
Display	LED / LCD (Optional)										
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)	481 x 395 x 195 mm										
Weight	12kg				13.5kg						
Operating Temperature Range	-25° C ~ +60° C										
Cooling Method	Natural									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)										