

# Technical data

Order number	PR50/S	PR37/S	PR30/S
<b>Output (AC)</b>	<b>5.0 kW</b>	<b>3.7 kW</b>	<b>3.0 kW</b>
Continuous AC output (P nominal)	5000 W (DE: 4600 W)	3700 W (DE/UK/PT: 3680 W)	3000 W
AC output power	25 A (DE: 22 A)	18 A	15 A
Cos Phi	1 (DE, IT: 0.9 ind. ... 0.9 cap. adjustable)		
Output voltage	230 Vac, 50 Hz; 1-phase (180-264 Vac 45-55 Hz). Limited by local grid rules.		
Protection	electronically, fused		
Stand-by consumption	≤ 3 W		
User interface	display with 4 control buttons		
Connectivity	ethernet RJ45, TCP/IP		
Selectable relays	2 provided, NO/NC, 250 Vac, 1 A, 24 Vdc, 5 A		
<b>Solar</b>	<b>5.0 kW</b>	<b>3.7 kW</b>	<b>3.0 kW</b>
Max. input	5500 Wp in total and 15 A per string	4000 Wp in total and 15 A per string	3300 Wp in total and 15 A per string
Number of inputs	2	2	1
Number of MPP trackers	2, completely independent	2, completely independent	1
DC disconnect switch	4-pole, 600V, 15A	4-pole, 600V, 15A	2-pole, 600V, 15A
MPP voltage (under full load)	180 – 480 Vdc	140 – 480 Vdc	220 – 480 Vdc
Solar voltage range	100 – 600 Vdc		
Solar connections	MC4		
Max. efficiency	94% (93% EU)		
Max. MPP efficiency	99.9%		
Compatibility	With all modern PV technologies (mono-/polycrystalline and thin film)		
<b>General</b>	<b>5.0 kW</b>	<b>3.7 kW</b>	<b>3.0 kW</b>
Operating temperature	-10 °C to +50 °C (Power reduction to maintain safe working conditions)		
Storage temperature	-40 °C to +70 °C		
Air humidity	maximum 95%, non-condensing		
Legal permits and standards	CE, VDE-AR-N 4105:2011-08, EEG 2012, RCM VDE 0126.1.1, G83/2; G59/3 (UK), RD1699/2011(ESP), CEI 0-21(IT), AS4777(Aus) (you will find other country-specific certificates at <a href="http://www.PowerRouter.com">www.PowerRouter.com</a> )		
Warranty	5 years (optional: extension to 10 years)		
<b>Mechanics</b>	<b>5.0 kW</b>	<b>3.7 kW</b>	<b>3.0 kW</b>
Dimensions (WxHxD)	545 x 502 x 149 mm		
Protection category	for indoor use (IP20)		
Weight	16.5 kg		
Topology	galvanically isolated transformer		
Cooling	controlled air cooling		