

Technical data

Order number	PR50Bi/S48	PR37Bi/S48
Output (AC)	5.0 kW	3.7 kW
Continuous AC output (P nominal)	5000 W (DE: 4600 W)	3700 W (DE/UK/PT: 3680 W)
AC output power	25 A (DE: 22 A)	18 A
Cos Phi	1 (DE, IT: 0.9 ind. ... 0.9 cap. adjustable)	
Output voltage	230 Vac, ± 2%, 50 Hz ± 0.2%, 1-phase (180 - 264 Vac, 45-55 Hz, Sine curve <3% THD, single phase). Limited by local grid rules.	
AC power	5000 VA (DE: 4600VA)	3700 VA
Peak power (AC local out)	1.5 x Pnom., 10 sec.; 1.2 x Pnom., 30 sec.	
Protection	electronically, fused	
Stand-by consumption	≤ 3W	
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	
48 Vdc lithium-ion-batteries	5.0 kW	3.7 kW
Batteries voltage range	42 – 56 Vdc	
Charging current	0 – 75 A	
Short circuit protection	electronic, with max. charging current, switch-off < 1 sec	
Compatibility	list of suitable batteries can be requested at www.PowerRouter.com	
General	5.0 kW	3.7 kW
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 VDE 0126.1.1, G83/2; G59/3 (UK) (you will find other country-specific certificates at www.PowerRouter.com)	
Warranty	5 years (optional: extension to 10 years)	
Mechanics	5.0 kW	3.7 kW
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	



The PowerRouter Unifit Colour Edition:

In addition to the classic PowerRouter green, also available in red, blue, grey, yellow and white. For a style match with the colour of the inverter.