

Parameter		PS1000 -12	PS1400 -24	PS1600 -12	PS1800 -24	PS1800 -48
Output power <sup>1)</sup>	Pnom	850W	1000W	1300W	1400W	1400W
	P10minutes	1050W	1450W	1600W	1800W	1800W
	Psurge	2000W	2800W	2500W	3000W	3000W
Output voltage		230Vac ± 2%				
Output frequency		50Hz or 60Hz ± 0.05%				
Output waveform		True sinewave (THD < 5% <sup>1)</sup> @ Pnom)				
Admissible cos φ of load		0.2 – 1 (up to Pnom)				
Input voltage (±3% tolerance) : Nominal		12Vdc	24Vdc	12Vdc	24Vdc	48Vdc
Range		10.5 <sup>2)</sup> – 16Vdc	21 <sup>2)</sup> – 32Vdc	10.5 <sup>2)</sup> – 16Vdc	21 <sup>2)</sup> – 32Vdc	41 <sup>2)</sup> – 60Vdc
Maximum efficiency		92%	92%	92%	92%	94%
No load power consumption <sup>3)</sup>		<9.6W	<12W	<9.6W	<12W	<12W
[ASB]		[2.5W]	[3.5W]	[2.5W]	[3.5W]	[4.7W]
ASB threshold		Pout=10W				
Operating temperature range (ambient)		-20°C ... +50°C (humidity max. 95% non condensing)				
Storage temperature range		-40°C ... +80°C (humidity max. 95% non condensing)				
Cooling		Variable speed fan controlled by temperature and load				
SamlexLink enabled		Yes				
Protected against		Short circuit, overload, high temperature, AC back feed, high/low battery voltage and high input ripple voltage				
Indications		Power on, output power bar, error and ASB mode				
DC input connections (cable length 1.5m)		2 x 25mm²		2 x 35mm²		2 x 25mm²
AC output connections		Screw terminals				
Enclosure body size		351 x 210 x 114mm				
Total weight		10.2 kg		10.5 kg		
Protection class		IP21 (mounted in upright position)				
Standards		CE marked meeting EMC directive 2004/108/EC and LVD 2006/95/EC complying with EN60335-1, RoHS 2002/95/EC				

Note: the given specifications are subject to change without notice.

- <sup>1)</sup> Measured with resistive load at 25°C ambient. Power ratings are subject to a tolerance of 10% and are decreasing as temperature rises with a rate of approx. 1.2%/°C starting from 25°C.  
<sup>2)</sup> Undervoltage limit is dynamic. This limit decreases with increasing load to compensate the voltage drop across cables and connections  
<sup>3)</sup> Measured at nominal input voltage and 25°C

## Dimensions

