Output range		60 to 120 W					
Model		**SPB-060-12**	**SPB-060-24**	**SPB-060-48**	**SPB-120-12**	**SPB-120-24**	**SPB-120-48**
Output power		60 W	60 W	62.4 W	96 W	120 W	120 W
Input condition							
Voltage [01]		100 - 240 VAC~ (permissible voltage: 85 - 264 VAC~ / 120 - 370 VDC⎓)					
Frequency		50 / 60 Hz					
Efficiency [02] (Typical)	100 VAC~	81%	84%	85%	82%	85%	85%
	240VAC~	83%	86%	87%	85%	88%	88%
Power factor [02]		-			≥ 0.9		
Max. current consumption [02]		1.6 A			1.9 A		
Current consumption [02] (Typical)	100 VAC~	1.24 A	1.21 A	1.19 A	1.19 A	1.49 A	1.43 A
	240 VAC~	0.66 A	0.65 A	0.64 A	0.52 A	0.61 A	0.61 A
Output characteristics							
Voltage		12 VDC⎓	24 VDC⎓	48 VDC⎓	12 VDC⎓	24 VDC⎓	48 VDC⎓
Current		5 A	2.5 A	1.3 A	8 A	5 A	2.5 A
Voltage adjustment range		≤ ±5%			≤ ±5%		
Input variation [03]		≤ ±0.5%			≤ ±0.5%		
Load variation		≤ ±1%			≤ ±1%		
Ripple noise [02] [04]		≤ ±1%			≤ ±1%		
Start-up time [02] (Typical)	100 VAC~	520 ms	550 ms	1200 ms	1200 ms	1200 ms	1200 ms
	240 VAC~	530 ms	550 ms	400 ms	400 ms	400 ms	400 ms
Hold time [02] (Typical)	100 VAC~	15 ms	14 ms	15 ms	98 ms	75 ms	87 ms
	240 VAC~	100 ms	110 ms	108 ms	97 ms	43 ms	86 ms
Protection							
Inrush current protection (Typical)	100 VAC~	13 A	14 A	10 A	9 A	11 A	10 A
	240 VAC~	19 A	17 A	37 A	37 A	36 A	37 A
Over-current protection [04] [05]		105 to 160%			105 to 160%		
Over-voltage protection [05]		-			16.0 V ±10%	30.0 V ±10%	58.0 V ±10%
Output low-voltage indicate		9.6 V ±10%	20.0 V ±10%	43.0 V ±10%	9.6 V ±10%	20.0 V ±10%	43.0 V ±10%
Power factor correction circuit		-			Built-in		
Approval [06]		CE cULus EAC			CE cULus EAC		
Unit weight (Package)		≈ 274 g (≈ 347 g)			≈ 466 g (≈ 570 g)		

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