

	BUFFERED SWITCHING POWER SUPPLY ADAPTER ZBF-12V/10A	BUFFERED SWITCHING POWER SUPPLY ADAPTER HPSB-12V10A-C PULSAR	BUFFERED SWITCHING POWER SUPPLY ADAPTER HPSB-12V10A-D PULSAR	BUFFERED SWITCHING POWER SUPPLY ADAPTER HPSB-12V7A-C PULSAR	BUFFERED SWITCHING POWER SUPPLY ADAPTER HPSG2-12V20A-E PULSAR
					
	103.80 EUR 103.80 EUR	76.25 EUR 76.25 EUR	92.93 EUR 92.93 EUR	59.57 EUR 59.57 EUR	174.90 EUR 174.90 EUR
Adapter type	Switching	Switching	Switching	Switching	Switching
Input voltage	85 ... 264 V AC	200 V ... 240 V AC	200 V ... 240 V AC	200 V ... 240 V AC	200 V ... 240 V AC
Output voltage	• 13.8 V DC (mains mode) • 10.5 ... 13.8 V DC (battery mode)	11.0 V ... 13.8 V (buffer operation)	11.0 V ... 13.8 V (buffer operation)	11.0 V ... 13.8 V (buffer operation)	• 11.0 V ... 13.8 V (buffer operation) • 10.0 V ... 13.8 V (battery operation)
Max. output current (total)	10 A	10 A	10 A	7 A	20 A
Battery charging current	4 A	1 A / 4 A	1 A / 4 A	1 A / 2 A	2 A / 4 A / 8 A
Power	151 W	138 W	138 W	97 W	276 W
Number of outputs	...	1	1	1	3
Protections	• Short-circuit • Overload • Overvoltage • Discharge	• Short-circuit • Overload • Overvoltage • Tamper • Reverse polarity connection • Discharge	• Short-circuit • Overload • Overvoltage • Overvoltage • Tamper • Reverse polarity connection • Discharge	• Short-circuit • Overload • Overvoltage • Tamper • Reverse polarity connection • Discharge	• Short-circuit • Overload • Overvoltage • Overvoltage • Tamper - opening the cover • Protection against deep discharge of the battery • Battery output protection against short circuit and reverse polarity connection
Adapter operation control	• AC input voltage presence indication • DC output voltage presence indication	• AC input voltage presence indication AC • DC output voltage presence indication DC • Battery charging	• AC input voltage presence indication AC • DC output voltage presence indication DC • Battery charging	• AC input voltage presence indication AC • DC output voltage presence indication DC • Battery charging	• EPS FLT output - indicating AC power collapse • APS FLT output - No battery or fail battery • AC input voltage presence indication AC • DC output voltage presence indication DC • Battery fault indication • Dynamic battery test • Battery circuit continuity control • Battery voltage control • Battery charge and maintenance control
Main features	...	...	...	...	• Efficiency $\leq 89\%$ • START function for manual switch to the battery power supply • Cooling fan system
Supported norms	...	...	...	...	• EN 50131-6:2017, 1+2, Grade 2 • EN 60839-11:2013, 1+2, Grade 2 • PN-83/T-42106 • CE-LVD: EN62368-1 • "Index of Protection" : IP20
Place for battery	12V/33Ah, 12V/40Ah	12V/17Ah	12V/40Ah	12V/17Ah	12V/7Ah, 12V/17Ah, 12V/28Ah, 12V/44Ah, 12V/65Ah
Max. battery dimensions	370 x 230 x 170 mm	250 x 172 x 100 mm	325 x 178 x 168 mm	250 x 172 x 100 mm	450 x 190 x 168 mm
Operation temp. / Relative humidity	...	...	...	...	-10 ... 40 °C / 20 ... 90 %
Weight	3.9 kg	2.52 kg	4.90 kg	2.3 kg	6.85 kg
Dimensions	330 x 350 x 175 mm	305 x 305 x 113 mm	335 x 385 x 187 mm	305 x 305 x 113 mm	465 x 395 x 173 mm
Manufacturer / Brand	...	PULSAR	PULSAR	PULSAR	PULSAR

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Guarantee	2 years	2 years	2 years	2 years	2 years
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