EPS - Datasheet

Series E/PS 800-19"

The compact design of the plug-in Power Supplies »E/PS 800-19"« (3U-Eurocard) according to DIN 41494 of EPS Electronic Power Supplies are available with single, double or triple output and at power levels of 80W, 150W as well as 240W at
a choice of output voltages between 3.3V, 5V, 12-15V and 24V. All outputs, main and auxiliary, are provided with a static current limit and a power limit circuit and are stabilized independently, making them truly zero-load compatible, fully short-circuit- and overload-proof.

By combining the synchronized rectifier and semi-resonant converter principle, an
efficiency of up to 92% is achieved, making them highly efficient and extremely reliable. A wide input range of 90 up to 264VAC and 90 up to 360VDC with active PFC makes them suitable for a worldwide usage or as isolated DC/DC converters as well.

Furthermore, an output inhibit feature allows to remotely enable or disable the output, in order to uses, for example, for automated systems and/or for safety purposes.
Complete 19" rack systems with parallel redundant modules and custom specific output versions are available on request. As options the power sharing function ASF (only for single output modules) and units "without front panel" are available, too.

Energy efficiency: high efficiency

Scope of delivery:
Plug-in Power Supply
Operation manual

E/PS 803-80 single
19" AC/DC Plug-In Power Supply

E/PS 800-19" Front

General datas

Technology	Switching
Operation modes	CV
Mains	90-264 VAC, 90-360 VDC
Input frequency	45-65Hz
Power factor	>0,99
Input Current Limitation	Standard (<23A, NTC)
Display	LED
Voltage Stability Load	<0,05% (0-100%)
Voltage Stability Mains	<0,05% (100% Iout)
Response time	<0,5ms (10-100%)
Output Current Limitation	Standard
Overheat protection	Standard
Parallel operation	Standard
Current sharing	Option
Cooling	Natural Convection
Operation temperature	0-70°C, Derat.>45°C
Storage temperature	-40...+85°C
Humidity	max. 90%
Design	19 inch
Standards	EN 61010-1, IEC 950,EN 61000-6-3,EN 61000-6-2
Power fail	Standard
Output Preset	Standard

Interfaces

Remote Control	Ext.On-Off

Series E/PS 800-19"

Technical datas

Output Voltage	3,3 VDC (3,0-3,6 VDC)
Output Current	16 A
Output Power	58 W
Efficiency	<=89%
Ripple U	<40mVpp
Remote Sensing	Standard
Dimensions in mm (WxHxD)	41 x 133 x 162
Weight	640g
Article number	102402

Options

Option 1	Without front plate
Option 2	Female plug E/PS H15

Subject to modification without notice, errors and omissions exepted

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