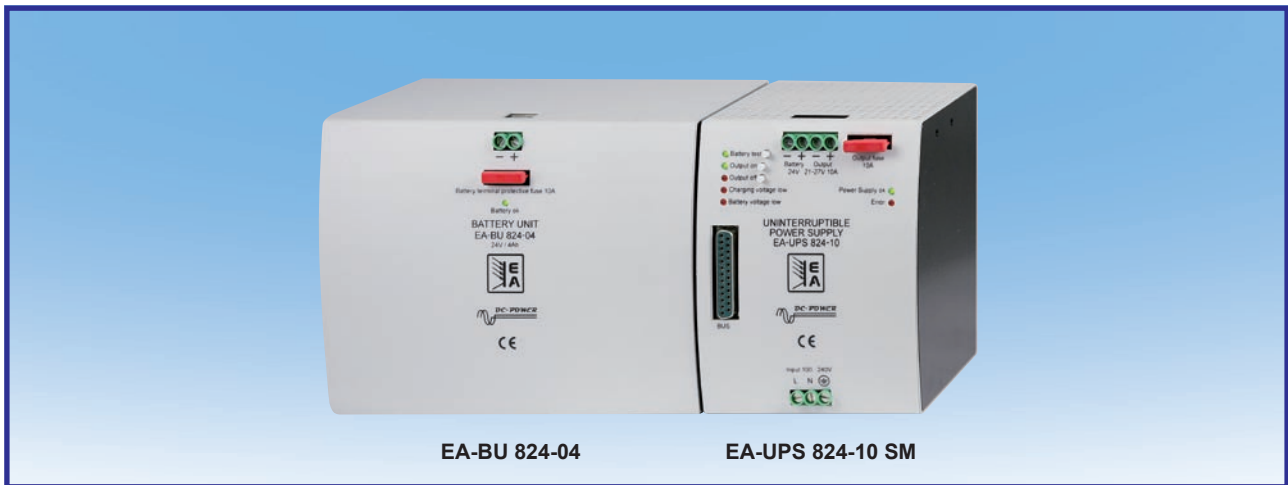


EA-UPS 800 SM 80W - 480W, EA-BU 800 SM 導軌安裝式DC-UPS電源 / DC-UPS UNITS DIN-RAIL MOUNTING



- 90...264V寬範圍輸入電壓，帶主動式PFC
- 效率高達93%
- 輸出功率: 80W 至 480W
- 輸出電壓: 12V, 24V 和 48V
- 輸出電流: 1,6A 至 26,6A
- 導軌式安裝
- 過壓保護 (OVP)
- 過溫保護 (OT)
- 過放保護，電池電壓低報警
- LED燈顯示狀態
- 手動和外部啟動電池測試
- 多功能類比介面
- 自然風冷式冷卻方式
- 符合EN 60950安規標準
- EMI EN 61000-6-1, EN 61000-6-3
- 有CE標志，符合EMC，低壓指令

概述

新一代導軌安裝式電源EA-UPS 800 SM系列已發展為應用於重型工業設備的產品。

高達93%的效率和體積特點，全因使用了創新的開關技術。其功率因素校正值(PFC) >99%。

所有型號都有一干式繼電器接點（直流電源失效），可用來監控輸出電壓，還有數個狀態LED燈。

如想在正常操作模式期間測試電池，可使用本產品具有的測試功能。通過產品上的按鈕或類比介面可激活該功能。測試過程中，輸出電壓降低至電池供應給使用設備的水平。

本產品有過載和短路保護功能，以及浪涌電流限制。過壓和過溫保護功能可保護連接負載以及電源。

以自然風作為冷卻方式，工作溫度為0...70°C，60°C以上則以每度降額2%功率。（480W型號則從50°C開始）

安裝於導軌上，需使用彈簧夾，不用其它工具。

- Wide input voltage range 90...264V with active PFC
- High efficiency up to 93%
- Output powers: 80W up to 480W
- Output voltages: 12V, 24V and 48V
- Output currents: 1,6A up to 26,6A
- DIN-rail mounting
- Overvoltage protection (OVP)
- Overtemperature protection (OT)
- Deep discharge protection, battery voltage low alarm
- Status indication via LEDs
- Battery test start manual and external
- Analogue interface with many functions
- Natural convection for cooling
- Safety EN 60950
- EMI EN 61000-6-1, EN 61000-6-3
- CE marked compliance to EMC, Low voltage directives

General

This new generation of DIN-Rail mounting power supplies series 1 EA-PS 800 SM has been developed for heavy-duty industrial applications.

An outstanding efficiency up to 93% and smallest dimension are a result of the use of an innovative switching technology. The units have a power factor correction (PFC) of >99%.

All models have a dry relay contact (DC power fail) to monitor the output voltage and they have several LEDs for status indication.

In order to test battery function during normal operation, the units are equipped with test function. This function can be activated by a button on the unit or via the analogue interface. During the test procedure, the output voltage of the unit is reduced to a level where the battery takes over the supply to the user equipment.

The units are provided with overload and short-circuit protection as well as inrush current limiting. An overvoltage protection and an overtemperature protection save the connected load and also the power supplies.

Cooling is arranged via natural convection, operating temperature is 0...70°C with a 2%/°C derating above 60°C (50°C at the 480W models).

Mounting is done on DIN-rails with springclips, eliminating the need for tools.

EA-UPS 800 SM 80W - 480W, EA-BU 800 SM 導軌安裝式DC-UPS電源 / DC-UPS UNITS DIN-RAIL MOUNTING

輸入

本產品採用主動式PFC，從而使其能應用於世界範圍內，輸入電壓90V至264V AC，可當一個90V DC至360V DC的隔離DC/DC轉換器用。

過壓保護 (OVP)

為保護連接負載，可將過壓保護極限值(OVP)設定為輸出電壓的110%。
超過該值，則關斷輸出。

過溫保護 (OT)

為保護產品和連接負載，本產品具有過溫保護功能(OT)。一旦達到關鍵溫度，如：在高的環境溫度或在有限空氣環流條件下工作，輸出被關斷，此時連接電池供電，當溫度下降至一接受值後，產品又自動重啟。

Input

The equipment uses an active Power Factor Correction to enable using it worldwide on a mains input from 90V up to 264V AC and for a usage as isolated DC/DC converters for 90V DC up to 360V DC as well.

Overvoltage protection (OVP)

To protect connected equipment an overvoltage protection limit (OVP) of 110% of output voltage is set. If the output voltage exceeds the defined limit, the output is shut off.

Overtemperature protection (OT)

To protect connected equipment an overtemperature protection (OT) is built in. On reaching a critical temperature, ambient or through poor air circulation, the unit cuts out. In such a case the connected battery provides power until the temperature has reduced to an acceptable value.

技術參數	Technical Data	EA-UPS 812-10 SM	EA-UPS 824-05 SM	EA-UPS 848-03 SM	EA-UPS 812-16 SM	EA-UPS 824-10 SM	EA-UPS 848-05 SM
AC-輸入電壓	AC input voltage	90...264V	90...264V	90...264V	90...264V	90...264V	90...264V
-頻率	-Frequency	45...65Hz	45...65Hz	45...65Hz	45...65Hz	45...65Hz	45...65Hz
-功率因數校正	-Power factor correction	>0,99	>0,99	>0,99	>0,99	>0,99	>0,99
DC-輸入電壓	DC input voltage	90...360V	90...360V	90...360V	90...360V	90...360V	90...360V
輸出電壓	Output voltage	10,5...13,5V	21...27V	42...54V	10,5...13,5V	21...27V	42...54V
-負載10-90%時的穩定度	-Stability 10-90% load	<1%	<1%	<1%	<1%	<1%	<1%
-±10% Δ U _{IN} 時的穩定度	-Stability ±10% Δ U _{IN}	<0,05%	<0,05%	<0,05%	<0,05%	<0,05%	<0,05%
-紋波	-Ripple	<50mV _{pp}	<50mV _{pp}	<50mV _{pp}	<50mV _{pp}	<50mV _{pp}	<100mV _{pp}
-調整率	-Regulation	<2ms	<2ms	<2ms	<2ms	<2ms	<2ms
-OVP-過壓保護值	-OVP	16V ±1V	30V ±1V	58V ±1V	16V ±1V	30V ±1V	58V ±1V
輸出電流	Output current	10,0A	5,0A	2,5A	16,0A	10,0A	5,0A
輸出功率	Output power	120W	120W	120W	240W	240W	240W
尺寸 (WxHxD)	Dimensions (WxHxD)	100x126x112mm	100x126x112mm	100x126x112mm	100x126x112mm	100x126x112mm	100x126x112mm
重量	Weight	1,2kg	1,2kg	1,2kg	1,3kg	1,3kg	1,3kg
產品編號	Article No.	36940103	36940104	36940105	36940106	36940107	36940108

技術參數	Technical Data	EA-UPS 812-20 SM	EA-UPS 824-20 SM	EA-UPS 848-10 SM
AC-輸入電壓	AC input voltage	90...264V	90...264V	90...264V
-頻率	-Frequency	45...65Hz	45...65Hz	45...65Hz
-功率因數校正	-Power factor correction	>0,99	>0,99	>0,99
DC-輸入電壓	DC input voltage	90...360V	90...360V	90...360V
輸出電壓	Output voltage	10,5...13,5V	21...27V	42...54V
-負載10-90%時的穩定度	-Stability 10-90% load	<1%	<1%	<1%
-±10% Δ U _{IN} 時的穩定度	-Stability ±10% Δ U _{IN}	<0,05%	<0,05%	<0,05%
-紋波	-Ripple	<80mV _{pp}	<120mV _{pp}	<180mV _{pp}
-調整率	-Regulation	<2ms	<2ms	<2ms
-OVP-過壓保護值	-OVP	16V ±1V	30V ±1V	58V ±1V
輸出電流	Output current	20,0A	20,0A	10,0A
輸出功率	Output power	400W	480W	480W
尺寸 (WxHxD)	Dimensions (WxHxD)	(108+78) x 126 x 125mm	(108+78) x 126 x 125mm	(108+78) x 126 x 125mm
重量	Weight	1,7kg	1,7kg	1,7kg
產品編號	Article No.	1)	1)	1)

導軌安裝式電池組 / BATTERY UNITS DIN-RAIL MOUNTING

技術參數	Technical Data	EA-BU 812-08 SM	EA-BU 824-04 SM	EA-BU 848-02 SM	EA-BU 824-07 SM
電池電壓	Battery voltage	12V	24V	48V	24V
容量	Capacity	8Ah	4Ah	1,2Ah	6,5Ah
備份時間 240分鐘	Back up time 240min.	在/at 2A	在/at 1A	在/at 0,3A	在/at 1,6A
備份時間 50分鐘	Back up time 50min.	在/at 5A	在/at 2,5A	在/at 0,8A	在/at 4,5A
備份時間 25分鐘	Back up time 25min.	在/at 10A	在/at 5A	在/at 1,8A	在/at 9,0A
備份時間 9分鐘	Back up time 9min.	在/at 20A	在/at 10A	在/at 3,0A	在/at 16A
尺寸 WxHxD	Dimensions WxHxD	168x126x112mm	168x126x112mm	210x126x112mm	162x133x115mm
重量	Weight	3,9kg	3,9kg	2,9kg	6,7kg
產品編號	Article No.	36940112	36940113	36940114	36940115

1) 包括一臺PS 800 SM電源(從第70頁開始)和一臺CU控制器 / Consisting of 1x power supply PS 800 SM (from page 70) unit and 1x control unit CU