6ES7407-0DA02-0AA0

SIMATIC S7-400 PS407 4 A Power Supply

Siemens 6ES7407-0DA02-0AA0 is a one-slot S7-400 PS407 power supply accepting 120/230 V AC or DC and delivering 5 V DC at 4 A to the backplane bus.

PRODUCT ENQUIRY

Email: **info@apterpower.com**
Phone / WhatsApp: **+86 18106909650**
Website: **www.apter.com**

Product overview

Siemens 6ES7407-0DA02-0AA0 is the SIMATIC S7-400 PS407 wide-range power supply rated for 120 V or 230 V AC/DC input. It supplies the backplane bus with up to 4 A at 5 V DC and up to 0.5 A at 24 V DC without requiring a base load.

The module occupies one S7-400 slot and provides primary-to-secondary isolation, short-circuit protection, and 20 ms mains buffering. A 3.6 V lithium AA backup battery can be installed as an option for the supported rack configuration.

Input protection and conductor selection must match the installation. The official connection description specifies three conductors up to 1.5 mm² with suitable end sleeves, and the input can draw an inrush current up to 8.5 A during the documented 5 ms half-value interval.

Technical specifications

Parameter	Value
Model Number	6ES7407-0DA02-0AA0
Product Family	SIMATIC S7-400
Product Type	PS407 power supply
DC Input Ratings	120 V DC / 230 V DC
AC Input Ratings	120 V AC / 230 V AC
Line Frequency	50 / 60 Hz
Permissible Frequency Range	47 to 63 Hz
Mains Buffering	20 ms
NAMUR Buffering	Yes
Input Current at 120 V DC	350 mA
Input Current at 230 V DC	190 mA
Input Current at 120 V AC	0.42 A
Input Current at 230 V AC	0.22 A
Maximum Inrush Current	8.5 A
Maximum Leakage Current	5 mA
Backplane Output at 5 V DC	4 A maximum
Backplane Output at 24 V DC	0.5 A maximum
Short-Circuit Protection	Yes
Typical Active Power Input	52 W
Typical Power Loss	20 W
Optional Backup Battery	1 × lithium AA, 3.6 V / 2.2 Ah
Required Slots	1
Primary / Secondary Isolation	Yes
Operating Temperature	0 to 60 °C
Width	25 mm
Height	290 mm
Depth	217 mm
Approximate Weight	760 g

Source: Siemens product data for 6ES7407-0DA02-0AA0