

Product Details and Certifications

Cross Reference RA Part Number: 1746-P2 C



Product: **1746-P2**

Description: 1746 SLC System, Power Supply - Rack Mount, 120/240VAC, 5A



Representative Photo Only (actual product may vary based on configuration sections)

I/O MODULES AND HARDWARE

Bulletin Number	1746 SLC 500 Power Supplies
Line Voltage	85...132/170...265V AC, 47...63Hz
Current Capacity (Amps) @ 5V	5A
Current Capacity (Amps) @ 24V	0.96A
User Current Capacity	0.2A @ 24V DC
Inrush Current, Max	20A

Power supplies are designed to withstand brief power losses. Power loss does not affect system operation for a period between 20 ms and 3 s, depending on the load.

Power Supply Catalog Numbers and Specifications

Catalog Number	Line Voltage	Current Capacity (Amps) @ 5V	Current Capacity (Amps) at 24V	User Current Capacity	Inrush Current, max.
1746-P1	85...132/170...265V AC, 47...63 Hz	2 A	0.46 A	0.2 A @ 24V DC	20 A
1746-P2	85...132/170...265V AC, 47...63 Hz	5 A	0.96 A	0.2 A @ 24V DC	20 A
1746-P3	19.2...28.8V DC	3.6 A	0.87 A	–	20 A
1746-P4	85...132/170...250V AC, 47...63 Hz	10 A	2.88 A ⁽¹⁾	1 A @ 24V DC(1)	45 A
1746-P5	90...146V DC	5 A	0.96 A	0.2 A @ 24V DC	20 A
1746-P6	30...60V DC	5 A	0.96 A	0.2 A @ 24V DC	20 A
1746-P7	10...30V DC, isolated	12V DC input: 2 A 24V DC input: 3.6 A	12V DC input: 0.46 A 24V DC input: 0.87 A	–	--

(1) Total of all output power (5V backplane, 24V backplane, and 24V user source) must not exceed 70 W.

General 1746-Px Power Supply Specifications

Specification	Description
Temperature, operating	0...60 °C (32...140 °F) (Current capacity derated by 5% above 55 °C for P1, P2, P3, P5, P6 and P7, no derating for P4)
Relative humidity	5...95% noncondensing
Wiring	#14 AWG (2 mm ²)