

Power Supplies

Power Supplies

Cat. No.	1746-P1	1746-P2	1746-P3	1746-P4	1746-P5	1746-P6	1746-P7
Input Voltage, Nom.	120 or 220V AC	120 or 220V AC	24V DC	120 or 220V AC	125V DC	48V DC	12 or 24V DC
Input Voltage Range	85...132V AC 170...265V AC	85...132V AC 170...265V AC	19.2...28.8V DC	85...132V AC 170...265V AC	90...146V DC	30...60V DC	10...30V DC
Inrush Current, Max.	20 A	20 A	20 A	45 A	20 A	20 A	20 A
Real Input Power, Max.	42 W	70 W	61 W	92 W	85 W	100 W	75 W at 24V 50 W at 12V
Apparent Input Power, Max.	69 VA	110 VA	—	225 VA	—	—	—
Xformer Load, Max.	106 VA	175 VA	—	230 VA	—	—	—
User Output Current	0.2 A at 24V DC	0.2 A at 24V DC	—	1.0 A at 24V DC	0.2 A at 24V DC	0.2 A at 24V DC	—
User Output Voltage Range	18...30V DC	18...30V DC	—	20.4...27.6V DC	18...30V DC	18...30V DC	—
Backplane Output Current	2 A at 5V DC 0.46 A at 24V DC	5 A at 5V DC 0.96 A at 24V DC	3.6 A at 5V DC 0.87 A at 24V DC	10 A at 5V DC 2.88 A at 24V DC (Total output power, including user, is 70 W max.)	5 A at 5V DC 0.96 A at 24V DC	5 A at 5V DC 0.96 A at 24V DC	With 24V input: 3.6 A at 5V DC 0.87 A at 24V DC With 12V input: 2 A at 5V DC 0.46 A at 24V DC
Frequency	47...63 Hz	47...63 Hz	DC	47...63 Hz	DC	DC	DC
Fuse*	3 A, 250V	3 A, 250V	5 A, 250V	none	none	none	none
Dimensions (HxWxD), Approx.	140 x 58 x 145 mm (5.5 x 2.3 x 5.7 in.)	140 x 74 x 145 mm (5.5 x 2.9 x 5.7 in.)	140 x 74 x 145 mm (5.5 x 2.9 x 5.7 in.)	140 x 110 x 145 mm (5.5 x 4.3 x 5.7 in.)	140 x 74 x 145 mm (5.5 x 2.9 x 5.7 in.)	140 x 85 x 145 mm (5.5 x 3.6 x 5.7 in.)	140 x 85 x 145 mm (5.5 x 3.6 x 5.7 in.)
Weight	0.9 kg (2.0 lb)	1.1 kg (2.5 lb)	1.1 kg (2.5 lb)	1.1 kg (2.5 lb)	0.4 kg (0.8 lb)	1.1 kg (2.5 lb)	1.1 kg (2.5 lb)
Operating Temperature	0...60 °C (32...140 °F) (Current capacity derated 5% above 55 °C)			0...60 °C (32...140 °F)	0...60 °C (32...140 °F) (Current capacity derated 5% above 55 °C)		
Nonoperating Temperature	-40...85 °C (-40...185 °F)						
Relative Humidity	5...95% noncondensing						
Wiring	two 14 AWG wires per terminal (maximum)						
Location	1746 chassis side						
Certifications‡	c-UL Class I Div 2 Hazardous, UL, CE						

* Power supply fuse is intended to guard against fire hazard due to short-circuit conditions and may not protect the supply from damage under these conditions.

‡ When product is marked. See the Product Certification link at <http://www.ab.com> for Declarations of Conformity, Certificates, and other certification details.