Standard AC Power Supplies

Attribute	1756-PA72/C	1756-PA75/B
Input voltage range	85…265V AC	
Input voltage, nom	120V/240V AC	
Input frequency range	47…63 Hz	
Input power, max	100VA/100 W	
Output power, max	75 W @ 0…60 °C (32…140 °F)(2)	
Power consumption	25 W @ 0…60 °C (32…140 °F)	
Power dissipation	85.3 BTU/hr	
Hold-up time(1)	5 cycles @ 85V AC, 50/60 Hz 6 cycles @ 120V AC, 50/60 Hz 6 cycles @ 200V AC, 50/60 Hz 6 cycles @ 240V AC, 50/60 Hz	
Inrush current, max	20 A	
Current capacity at 1.2V DC	1.5 A	
Current capacity at 3.3V DC	4 A	
Current capacity at 5.1V DC	10 A	13 A
Current capacity at 24V DC	2.8 A	
Overcurrent protection, max	User-supplied 15 A(3)	
Fusing	Non-replaceable fuse is soldered in place(4)	
Transformer load, max	100VA	
Isolation voltage	250V (continuous), reinforced insulation type Type tested @ 3500V DC for 60 s, power input-to-backplane	
Weight, approx.	0.95 kg (2.10 lb)	
Dimensions	140 x 112 x 145 mm (5.51 x 4.41 x 5.71 in.)	
Module location	Left side of 1756 chassis	
Chassis	1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17	
Chassis compatibility	Series A Series B	Series B
Wire size	2.5 mm^2 (14 AWG) solid or stranded copper wire rated at 90 °C (194 °F), or greater, 1.2 mm (3/64 in.) insulation max	
Wire category	1 - on power ports(5)	
Conductor screw torque	0.8 N•m (7 lb•in)	
North American temperature code	T4	
Enclosure type rating	None (open-style)	

(1) The hold-up time is the time between input voltage removal and DC power failure.
(2) The combination of all output power (5.1V backplane, 24V backplane, 3.3V backplane, and 1.2V backplane) cannot exceed 75 W.
(3) Use time-delay type overcurrent protection in all ungrounded conductors.
(4) This fuse is intended to guard against fire hazard due to short circuit conditions.
(5) Use this conductor category information for planning conductor routing as described in the system level installation manual. See the Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1.