



Technical Specifications

This appendix includes the technical specifications and agency approvals for the RPS 2300.

Table A-1 *RPS 2300 Environmental and Physical Specifications*

Environmental Ranges	
Operating temperature	23–113°F (–5 to 45°C)
Storage temperature	–40–158°F (–40 to 70°C)
Relative humidity	Operating and nonoperating: 0 to 95% (noncondensing)
Operating altitude	Up to 10,000 ft. (3000 m)
Storage altitude	Up to 15,000 ft. (4570 m)
Physical Specifications	
Dimensions (H x W x D)	
Without power supply modules	1.75 x 17.5 x 17.15 in. (4.5 x 44.5 x 43.6 cm) 10.8 lb. (4.9 kg)
With one C3K-PWR-1150W AC power supply module	1.75 x 17.5 x 20.6 in. (4.5 x 44.5 x 52.4.6 cm) 16.4 lb. (7.4 kg)
With two C3K-PWR-1150W AC power supply modules	1.75 x 17.5 x 20.6 in. (4.5 x 44.5 x 52.4.6 cm) 22 lb. (10 kg)

Table A-1 RPS 2300 Environmental and Physical Specifications (continued)

With one C3K-PWR-750W AC power supply module	1.75 x 1.75 x 17.15 in. (4.5 x 44.5 x 43.6 cm) 14.7 lb. (6.7 kg)
With two C3K-PWR-750W AC power supply modules	1.75 x 1.75 x 17.15 in. (4.5 x 44.5 x 43.6 cm) 18.6 lb. (8.5 kg)

Table A-2 AC-Power Supply Specifications

Description	C3K-PWR-1150WAC	C3K-PWR-750WAC
Maximum output power	1150 W	750 W
Input voltage range and frequency	115–240 VAC 50–60 Hz	100–240 VAC 50–60 Hz
Input current	12–6 A	10–5 A
Output ratings	12 V @ 25 A –52 V @ 16.4 A	12 V @ 25 A –52 V @ 8.7 A
Total input BTU	4600 Btus per hour, 1350 W	3000 Btus per hour, 880 W
Power supply input receptacles	IEC60320-C13	IEC60320-C13
Power cord rating	15 A	15 A

Table A-3 DC-Output Power Supply Specifications

RPS 2300 Power Supply Configuration	DC Output Power	
	12 VDC (W)	-52 VDC (W)
1 x C3K-PWR-750WAC	252W (21 A)	416W (8 A)
2 x C3K-PWR-750WAC	540W (45 A)	832W (16 A)
1 x C3K-PWR-1150WAC	252W (21 A)	800W (15.4 A)
2 x C3K-PWR-1150WAC	540 W (45 A)	1600 W (30.8 A)

Note The maximum 12V power per RPS port is 300W. The maximum -52V power per RPS port is 800W.

Table A-4 RPS 2300 Heat Dissipation Specifications

RPS 2300 Power Supply Configuration	Heat Dissipation Specification	
	No Load (Btus per hour)	Full Load (Btus per hour)
1 x C3K-PWR-750WAC	95	724
2 x C3K-PWR-750WAC	208	1299
1 x C3K-PWR-1150WAC	143	1056
2 x C3K-PWR-1150WAC	276	1963

Table A-5 RPS 2300 Safety Approvals

Safety	EMC
UL 60950-1 First Edition	FCC Part 15 Class A
CAN/CSA 22.2 No. 60950-1 First Edition	EN 55022 (CISPR22)
TUV/GS to EN 60950-1 First Edition	EN 55024 (CISPR24)
IEC 60950-1/EN 60950-1	VCCI Class A
AS/NZS 60950.1	AS/NZS CISPR22 Class A
CE Marking	CE
CLEI code	MIC
CCC approval pending	GOST
NOM approval pending	China EMC Certifications

