

Industrial 1U Rackmount - Active PFC -

SS-xxxU1/SS-xxxEPS1U series



Dimensions: L190 x W100 x H40.6mm
(L7.5 x W3.9 x H1.6 inch)

Features:

- Specification compliance: ATX 2.03, ATX12V v1.1 & EPS1U
- Forward converter circuit
- Super high efficiency and reliability for industrial level
- High reliability ball bearing fan
- Low ripple & noise
- Short circuit protection on all outputs
- Over voltage protection
- Over power protection
- 100% hi-pot test
- 100% burn in, high temperature cycled on/off
- PFC harmonics compliance: EN61000-3-2 + A1 + A2
- EMI/RFI compliance: CE, CISPR22, C-tick & FCC part 15 class B
- Safety compliance: TUV, C-UL & CB

Electrical Specification:

- Input frequency: 50/60Hz
- In-rush current, cold start: 80A max.
- Hold up time, full load: 16ms. typical
- Efficiency; 220-240VAC, full load: 76% typical
- Efficiency; 100-120VAC and full range: 72% typical
- Dielectric withstand, input to frame/ground: 1800VAC, 1sec.
- Dielectric withstand, input to output: 1800VAC, 1sec.
- Line regulation: +/- 1% typical
- Load regulation: +/- 5% typical
- Cross regulation: +/- 5% typical
- Ripple/noise: 1%
- MTBF, full load @ 25°C amb.: >100k hrs, will vary w/fan type
- Active PFC, full load: 0.99 typical

DC Output & Features:

Model	DC outputs						Total power	Active PFC	Type	Connector
	+3.3V	+5V	+12V	-5V	-12V	+5Vsb				
SS-200U1	14A	21A	10A/12A ²	0.5A	0.8A	2A	200w	Yes	A/B	20P+4P
	110w ¹			0.8A ³						
SS-250U1	20A	21A	13A/16A ²	0.5A	0.8A	2A	250w	Yes	A/B	20P+4P
	110w ¹			0.8A ³						
SS-250EPS1U	16A	12A	18A/22A ²	0.5A	0.8A	2A	250w	Yes	A/B/C	24P+8P
	90w ¹			0.8A ³						

Remarks: 1. Combined +3.3VDC & +5VDC maximum power
2. Peak power
3. Combined -5VDC & -12VDC maximum power

specification may change without prior notice



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