

# Switch Mode Power Supply Industrial 1U Rackmount - Active PFC -

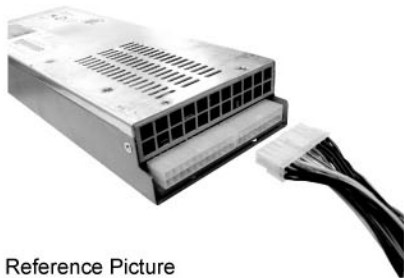


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## SS-520H1U Active PFC



Dimension: W100.0 X L270.0 X H40.0 mm  
(3.9" X 10.6" X 1.6")



Reference Picture



### Features

- Specification compliance: Intel EPS1U v2.1 and ATX12V v2.0
- Forward converter circuit
- Super high efficiency and reliability for industrial level
- Easy swap connector design
- High reliability ball bearing fan
- Low ripple & noise
- Smart & Silent Fan Control (S2FC)
- 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: IEC1000-3-2 / EN61000-3-2 standards

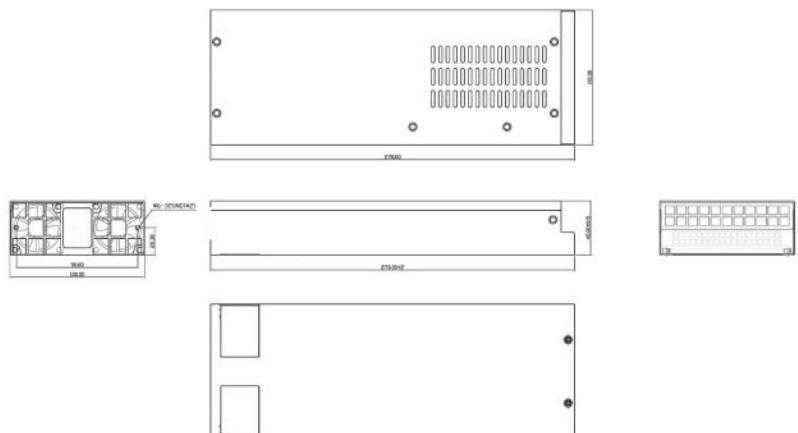
### Electrical Specifications

Input frequency	50 / 60 Hz
In-rush current, cold start	100A max.
Hold up time, full load	16 mS typical
Efficiency: at normal input voltage	≥80%
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

### Output Specifications

Model	DC output							Total power	Input type	Fan type
	+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb			
SS-520H1U Active PFC	20A	25A	14A	14A	15A	0.8A	3A	520W	Full range	38x38mm

specification may change without prior notice



Safety compliance: CUL, TUV, CB, CCC

EMI / RFI compliance: CE, FCC

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