

12vDC Inline Power Supplies 1A, 2A, 3.5A & 5A

Model	HAY- PSUINLINE1A	HAY- PSUINLINE2A
Input Range	100 ~ 240 vac	100 ~ 240 vac
Input Frequency	50/60Hz	47-63Hz
Inrush Current	< 20A at 240VAC	<25Aat 230VAC, COLD STAR AT 25°C
Input Current	3A Max	3A Max
Leakage Current	< 0.25 mA at 50/60 Hz 240VAC Input	< 3.5 mA at 50/60 Hz 240VAC Input
Rated Output Power	12 Watts	24 Watts
Output Voltage	12 V±4% (11.52V ≤ V outputs ≤ 12.50V)	12 V±5% (11.52V ≤ V outputs ≤ 12.50V)
Output Current	1A	2A
Output Load Efficiency	70% nominal	≥80% AT 240VAC full load
Adjustment Range	Fixed	Fixed
Hold-up Time	30 ms at full load and 230 VAC nominal line	30 ms at full load and 230 VAC nominal line
OL Protection	96% to 104% above peak rating	About 100% above peak rating
Ripple & Noise	≤ 200mV at rated Load	≤ 180mV at rated Load
EMI Test	EN55022 CLASS, EN6100-3-2.3, FCC CLASS B	EN55022 CLASS, EN6100-3-2.3, FCC CLASS B
Isolation	AC3.0 KV/1 min (input to output)	AC3.0 KV/1 min (input to output)
Safety Approval	UL, C-UL, CE	CE, CCC, FCC
Operating Temp	0°C to 50°C ambient derate each output at 4.0% per degree from 50°C to 60°C	-10°C to 40°C ambient derate each output at 4.0% per degree from 50°C to 60°C
Storage Temp	- 40°C to 85°C	- 40°C to 85°C
Operating Humidity	5% to 95% (non-condensing)	20% to 95% (non-condensing)
MTBF	50,000 hours at full load and 25°C ambient conditions (demonstrated)	50,000 hours at full load and 25°C ambient conditions (demonstrated)
Size	77.5 x 46 x 28mm	108 X 48 X 30MM
Cable Length	2.4m	2.4m
UK Plug & 2.1mm Socket	YES	YES

Model	HAY- PSUINLINE3.5A	HAY- PSUINLINE5A
Input Range	100 ~ 240 vac	100 ~ 240 vac
Input Frequency	50/60Hz	47/63Hz
Inrush Current	< 20A at 115VAC; <40Aat 230VAC, COLD STAR AT 25°C	<40Aat 230VAC, COLD STAR AT 25°C
Input Current	0 3A Max	1.5A Max
Leakage Current	< 1.5 mA at 50/60 Hz 240VAC Input	< 3.5 mA at 50/60 Hz 240VAC Input
Rated Output Power	42 Watts	60 Watts
Output Voltage	12 V±4% (11.52V ≤ V outputs ≤ 12.50V)	12 V±4% (11.52V ≤ V outputs ≤ 12.50V)
Output Current	3.5A	5A
Output Load Efficiency	≥80% AT 240VAC full load	≥80% AT 240VAC full load
Adjustment Range	Fixed	Fixed
Hold-up Time	30 ms at full load and 230 VAC nominal line	30 ms at full load and 230 VAC nominal line
OL Protection	96% to 104% above peak rating	About 100% above peak rating
Ripple & Noise	≤ 200mV at rated Load	≤ 180mV at rated Load
EMI Test	EN55022 CLASS, EN6100-3-2.3, FCC CLASS B	EN55022 CLASS, EN6100-3-2.3, FCC CLASS B
Isolation	AC3.0 KV/1 min (input to output)	AC1.5 KV/1 min (input to output)
Safety Approval	CE, CCC, FCC	CE, CCC, FCC
Operating Temp	0°C to 50°C ambient derate each output at 4.0% per degree from 50°C to 60°C	-10°C to 40°C ambient derate each output at 4.0% per degree from 50°C to 60°C
Storage Temp	- 40°C to 85°C	- 40°C to 85°C
Operating Humidity	5% to 95% (non-condensing)	20% to 90% (non-condensing)
MTBF	100,000 hours at full load and 25°C ambient conditions (demonstrated)	50,000 hours at full load and 25°C ambient conditions (demonstrated)
Size	120 X 55 X 30MM	108 X 48 X 30MM
Cable Length	2.4m	2.4m
UK Plug & 2.1mm Socket	YES	YES