

# 100W Single Output Switching Power Supply

- AC input range selectable by switch
- Protections: Short circuit / Overload
- Fixed switching frequency at 25KHz
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- 1 year warranty



199x 98x 38 mm

AC input voltage range ..... 85~132VAC/ 180~264VAC selectable by switch

AC inrush current ..... Cold start, 30A at 115VAC, 60A at 230VAC

DC adjustment range .....  $\pm 10\%$  rated output voltage

Overload protection ..... 105%~150% shut off, AC recycle to re-start

Setup, rise, hold up time ..... 200ms, 80ms, 20ms at full load and 230VAC

Withstand voltage ..... I/P-O/P:1.5KVAC, I/P-FG:1.5KVAC, 1minute

Working temperature ..... 0~50 °C (refer to output derating curve)

Safety standards ..... Design refer to UL1012

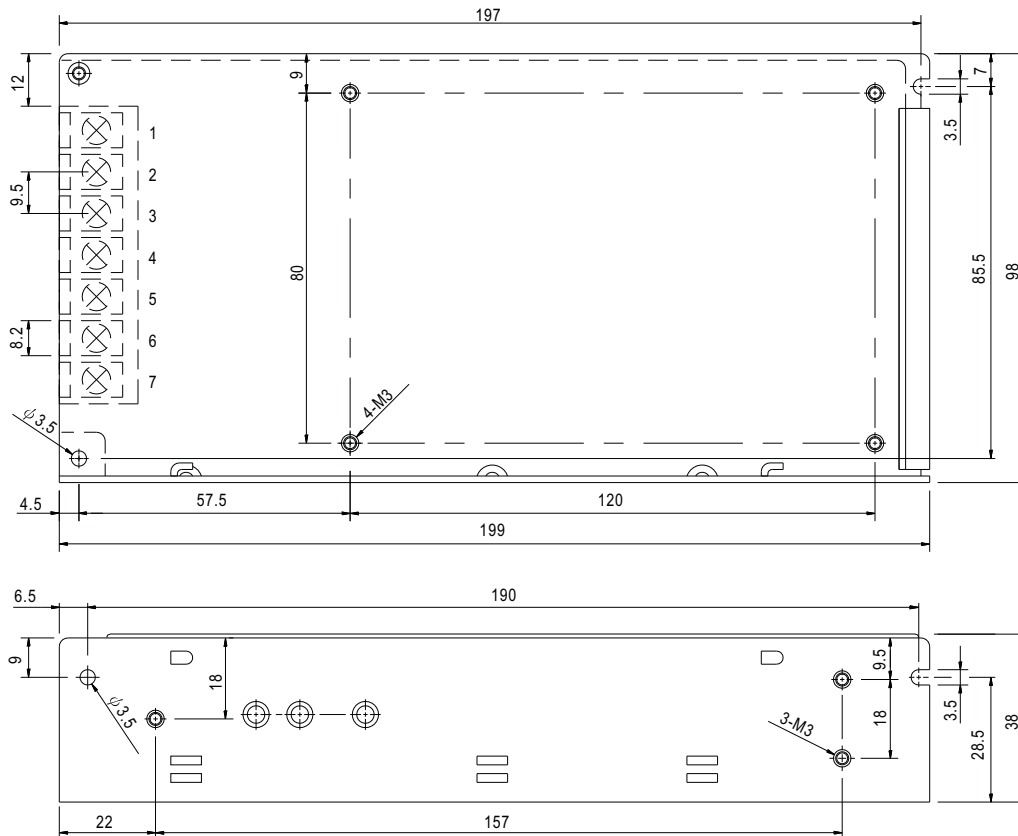
EMC standards ..... Design refer to FCC part 15 J

Connection ..... 7P / 9.5mm pitch terminal block

Packing ..... 0.65kg ; 30pcs / 20kg / 1.25CUFT

Model No.	Output	Tol.	R&N	Effi.
S-100-3	3V, 0~20A	$\pm 2\%$	100mV	70%
S-100-5	5V, 0~20A	$\pm 2\%$	100mV	78%
S-100-7.5	7.5V, 0~13.6A	$\pm 1\%$	100mV	80%
S-100-10	10V, 0~10A	$\pm 1\%$	100mV	80%
S-100-12	12V, 0~8.5A	$\pm 1\%$	100mV	81%
S-100-13	13V, 0~7.7A	$\pm 1\%$	100mV	81%
S-100-15	15V, 0~6.7A	$\pm 1\%$	100mV	81%
S-100-18	18V, 0~5.6A	$\pm 1\%$	100mV	82%
S-100-24	24V, 0~4.5A	$\pm 1\%$	100mV	84%
S-100-27	27V, 0~3.7A	$\pm 1\%$	100mV	84%
S-100-48	48V, 0~2.0A	$\pm 1\%$	100mV	84%
S-100-13.8	13.8V, 0~7.2A	$\pm 1\%$	100mV	81%

■ Mechanical Specification



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG $\perp$		