

## 320W Internal Enclosed Frame type switching power supplies for I.T.E

### DESCRIPTION

The NSP-HL6128 series of Enclose constructed, AC/DC switching mode power supplies provide 320 Watts of continuous output power. They are ideally suited for use in disc drive systems, micro-process or based systems, portable equipments and many other applications, all models are designed to meet the safety requirements of UL1950/CSA C22.2 No. 950 3<sup>rd</sup>/EN60950, IEC60950 TUV, CB, CCC GB 943 standard and CE requirements. All units are 100% burned in and tested. EMI: EN55022 Class B, FCC CFR 47 Part 15 Class B, CNS 13438 Class B. EMS: EN55024, EN61000-4-2,3,4,5,6,8,11.

### FEATURES

- Universal AC Input 85VAC – 264VAC, 47-63Hz
- Active P.F.C. >0.95
- Power-On with LED indicator
- Remote Control On/Off Optional
- Over Temp. Protection Optional
- Built-In EMI Filter, Low Ripple Noise
- Output Voltage 3.3VDC – 48VDC
- Output Voltage  $\pm 10\%$  Adjustment
- Single Output
- 2 year warranty
- Size: 4.53" x 8.35" x 1.97"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 205K Hours
- CONVECTION COOLED, NATURAL COOLING



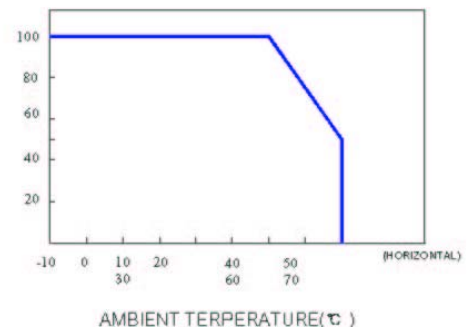
### ELECTRICAL CHARACTERISTICS

- Efficiency: 72% to 87%. (see table)
- Line Regulation: 1% max.
- Load Regulation: 1-3% max. (see table)
- Hold-up Time: >40mS min at 230VAC.
- Output ripple and noise: 1% max.

### ENVIRONMENTAL

- Operating Temperature: -10 to 70°C
- De-rate linearly from 50 to 70°C by 2.5%/°
- Storage Temperature: -10 to 75°C
- Relative Humidity: 5 to 95%

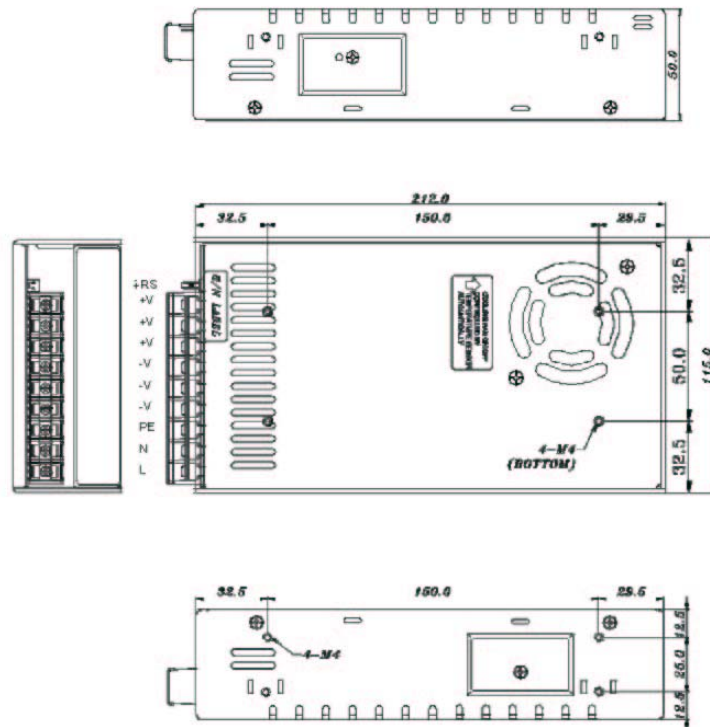
Derating Curve • •



## OUTPUT VOLTAGE AND CURRENT RANGE

Model\ No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Efficiency	Ripple Noise Max
▶NSP-HL6128A	3.3VDC	0A – 50.0A	3%	165W	72%	50mV
▶NSP-HL6128B	5.0VDC	0A – 50.0A	2%	250W	79%	70mV
▶NSP-HL6128C	7.5VDC	0A – 40.0A	2%	300W	81%	80mV
▶NSP-HL6128D	12.0VDC	0A – 26.7A	1%	320W	82%	120mV
▶NSP-HL6128E	15.0VDC	0A – 21.4A	1%	321W	84%	150mV
▶NSP-HL6128F	24.0VDC	0A – 13.4A	1%	322W	86%	150mV
▶NSP-HL6128G	30.0VDC	0A – 10.7A	1%	321W	86%	200mV
▶NSP-HL6128H	48.0VDC	0A – 6.7A	1%	322W	87%	250mV

Dimension: (Unit: mm)



### NOTES:

1. TERMINAL BLOCK: 9P, PITCH 9.5mm WITH PC COVER.
2. HEADER: JS-7001-02 P=2.5mm OR COMPATIBLE.