



- Universal AC input 88-264V
- Suitable for DIN rail TS35/7.5 or 15
- Protections: Short circuit/overload/overvoltage Brown-out (Low AC input)
- Cooling by free air convection
- True DC OK signal output
- Long life 105°C electrolytic capacitors
- High operating temperature up to 70°C
- Withstand 2G vibration test
- External trim pot for output voltage adjustment
- Complies with EMI standards: EN55022: 2006+A1: 2007 Class B
- High efficiency, long life, high reliability
- UL508 (Industrial control equipment) listed
- UL1310 Class 2 power unit/ LPS pass
- 24 month warranty

SPECIFICATIONS All specifications are typical at nominal input, full load and at 20°C unless otherwise stated.

ELECTRICAL		PHYSICAL	
Input (Note 3)	88 - 264VAC (47-63Hz) 124 - 370VDC	Connections - In/Out	Screw terminals
Protection - input	Fuse	Enclosure	Plastic vented case
Inrush Current	20-40A (model dependent)	ENVIRONMENTAL	
Input leakage current	< 2mA / 240VAC	Working Temperature	-20°C to 70°C refer to output load derating curve)
Protection - output	Overload >102% rated output power, Type: constant current, recovers automatically after fault is removed Overvoltage: 115-150% rated output voltage, latch- off mode	Working Humidity	20 - 90% RH non condensing
Ripple & Noise (max)	100mV - 180mV (model dependent) (Note1)	Temperature Coeff.	±0.03%/°C (0 - 50°C)
Voltage Tolerance	±1% (Note 2)	Vibration	10 - 500Hz, 5G10min/1cycle, period for 60min each along X,Y,Z axes
Line Regulation	±0.5%	STANDARDS	
Load Regulation	± 2% to ±0.5% (model dependent)	Safety	UL508, TUV EN60950-1, UL 1310 NEC class 2 compliant
Setup, Rise Time	800ms, 80ms/230VAC 1000ms, 80ms/115VAC	EMI Conduction & Radiation	EN55022: 2006+A1:2007 Class B
Hold Up Time	>32ms/230VAC, >10ms/ 115VAC full load	Harmonic Current	EN61000-3-2:2006 Class A, EN61000-3-3: 1995+A1:2001+A2:2005
Withstand Voltage (1 minute)	I/P - O/P: 4242VDC I/P - FG: 2121 VDC	EMS Immunity	EN61204-3:2000, EN55024:1998+A1: 2001+A2:2003 light industry level, criteria A
Isolation Resistance	I/P - O/P, I/P - FG, O/P-FG: 100Mohms/ 500VDC		
DC OK Signal	10&20W: open collector: max 40mA 40-100W: relay contact (30VDC 1A, 120VAC / 1A)		

- NOTES**
1. Ripple and noise are measured at 20MHz of bandwidth by using a 12" twisted pair -wire terminated with a 0.1uF & 47uf parallel capacitor.
 2. Tolerance: includes set up tolerance, line regulation and load regulation.
 3. De-rating may be needed under low input voltages. Please check the de-rating curve for more details.
 4. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
 5. In parallel connection, only one unit may operate if the total output load is less than 5% of rated load condition.

10-100 Watt DIN Rail Mount AC/DC Power Supply

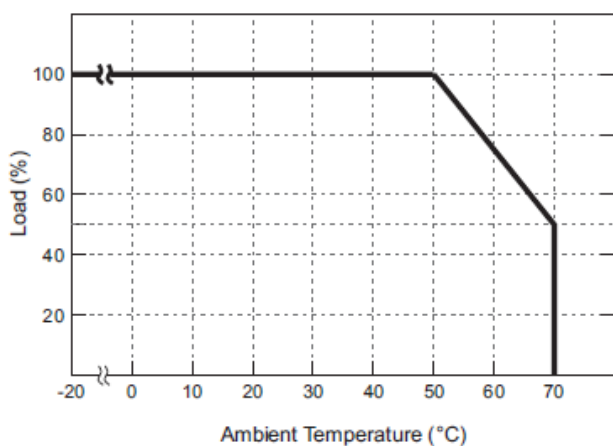


STANDARD MODEL TABLE

MODELS	Voltage	Amps	Voltage Range	Watts	Eff. %	Dimensions mm	Weight kg
IEDN-10-12	12	0.84	10.8-13.2	10	81	23x 90x 99	0.13
IEDN-10-15	15	0.67	13.5-16.5	10	81		
IEDN-10-24	24	0.42	21.6-26.4	10	81		
IEDN-20-12	12	1.7	10.8-13.2	20	83	23x 90x 99	0.14
IEDN-20-15	15	1.4	13.5-16.5	21	85		
IEDN-20-24	24	1.0	21.6-26.4	24	86		
IEDN-40-12	12	3.4	10.8-13.2	40	84	40x 90x 99	0.28
IEDN-40-15	15	2.7	13.5-16.5	40	84		
IEDN-40-24	24	1.7	21.6-26.4	40	84		
IEDN-40-48	48	0.85	43.2-52.8	40	85		
IEDN-60-12	12	5	10.8-13.2	60	86	40x 90x 99	0.3
IEDN-60-15	15	4	13.5-16.5	60	87		
IEDN-60-24	24	2.5	21.6-26.4	60	87		
IEDN-60-48	48	1.25	43.2-52.8	60	88		
IEDN-100-12	12	7.5	10.8-13.2	90	87	55x 90x 99	0.4
IEDN-100-15	15	6.4	13.5-16.5	96	87		
IEDN-100-24	24	4	21.6-26.4	96	88		
IEDN-100-48	48	2	43.2-52.8	96	87		

DERATING CURVES

Load V.S Temp.



Load V.S I/P Voltage

