

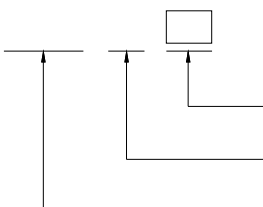


## ■ Description

HDR-30 is one economical ultra slim 30W DIN rail power supply series, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 35mm(2SU) in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 85VAC to 264VAC(277VAC also available) and conforms to EN61000-3-2, the norm the European Union regulates for harmonic current.

HDR-30 is designed with plastic housing that it can effectively prevent user from electric hazards. With working efficiency up to 90%, the entire series can operate at the ambient temperature between -30°C and 70°C under air convection. It is equipped with constant current mode for overload protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for home automations and industrial control apparatus (IEC60950-1, UL508,UL60950-1, EN61558-2-16) make HDR-30 a very competitive power supply solution for household and industrial applications.

## ■ Model Encoding





**SPECIFICATION**

<b>DC VOLTAGE</b>	5V	12V	15V	24V	48V
<b>CURRENT RANGE</b>	0 ~ 3A	0 ~ 2A	0 ~ 2A	0 ~ 1.5A	0 ~ 0.75A
<b>RIPPLE &amp; NOISE (max.)</b> Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
<b>VOLTAGE TOLERANCE</b> Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
<b>LOAD REGULATION</b>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
<b>HOLD UP TIME (Typ.)</b>	30ms/230VAC	12ms/115VAC at full load			
<b>FREQUENCY RANGE</b>	47 ~ 63Hz				
<b>AC CURRENT (Typ.)</b>	0.88A/115VAC	0.48A/230VAC			
<b>OVERLOAD</b> Note.4	105 ~ 160% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed				
<b>WORKING TEMP.</b>	-30 ~ +70°C (Refer to "Derating Curve")				
<b>STORAGE TEMP., HUMIDITY</b>	-40 ~ +85°C, 10 ~ 95% RH non-condensing				
<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6				
<b>SAFETY STANDARDS</b>	UL60950-1, UL508, TUV EN61558-2-16, IEC60950-1 approved; Design refer to EN50178, TUV EN60950-1				
<b>ISOLATION RESISTANCE</b>	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
	Conducted	EN55032(CISPR32)		Class B	
	Harmonic Current	EN61000-3-2		Class A	
	EN55024, EN55035, EN61000-6-2, EN61204-3				
	ESD	EN61000-4-2		Level 3, 8KV air; Level 2, 4KV contact, criteria A	
	EFT/Burest	EN61000-4-4		Level 3, criteria A	
	Conducted	EN61000-4-6		Level 3, criteria A	
	Voltage Dips and interruptions	EN61000-4-11		>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
<b>DIMENSION</b>	35*90*54.5mm (W*H*D)				

