

XDR-E Series 75~960W Ultra Slim Industrial DIN Rail Series



Power Supply Features

- High efficiency – up to 96%
- **Ultra slim design from 30mm to 96mm**
- Universal AC input (XDR-75E~480E)
AC input 180~264VAC (XDR-960E)
- Built-in active PFC (XDR-240E~960E)
- Protection: Short circuit / Overload /
Over voltage / Over temperature
- Fan-less design, cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Certified for multiple international standards
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- **OVC III operating altitude up to 2000 metres**
- **Current sharing up to 1920W (3+1) for XDR-480E**
Current sharing up to 3840W (3+1) for XDR-960E
- **3 year warranty**



General Specifications (Please refer to www.procontechnology.com.au for detailed specs)

Model No.		XDR-75E	XDR-120E	XDR-150E	XDR-240E	XDR-480E	XDR-960E
AC input voltage range		85~264VAC; 120~370VDC					180 ~ 264VAC; 254~370VDC
AC inrush current (typ.)		35A at 230VAC*	40A at 230VAC*		30A at 230VAC, *cold start		
DC adjustment range		12V: 12~15V (except XDR-960E), 24V: 24~29V, 36V: 36~42V, 48V: 48~55V					
Overload protection		105~130% rated output power constant current, unit will hiccup if Vo < 30% 105~150% rated output power constant current, unit will hiccup if Vo < 30% (XDR-150E@115VAC)					
Overvoltage protection	Range	12V: 15~18V (except XDR-960E), 24V: 30~34V, 36V: 43~50V, 48V: 56~65V					
	Type	Shut down o/p voltage, re-power on to recover Hiccup mode, recovers automatically when fault removed (XDR-240E/480E)					
Over temp. protection		Shutdown o/p voltage, recovers automatically after temperature goes down					
Withstand voltage		I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 1. 5kVAC, O/P-DC OK: 0.5kVAC					
Working temperature		-40°C ~ +70°C (refer to output derating curve)					
Safety standards		UL61010-1/-2-201, EN62368-1, EN61558-1/-2-16, EN61010, IEC62368-1, IEC61558-1, IEC61010; RCM AS/NZS62368-1, AS/NZS61558-1/-2-16, BSMI CNS15598-1, CCC GB4943.1, EAC TPTC004 approved					
EMC standards		BS EN55032, EN61204-1 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8, EN61000-6-2(EN50082-2), EAC TP TC 020					
Connections		I/P: 3 pole, O/P: 3 pole screw terminals			I/P: 3 pole, O/P: 4 pole		I/P: 3 pole, O/P: 6 pole
Dimensions (WxHxD)		30x125.2x116mm			40x125.2x116mm	48x125.2x125mm	96x125.2x132mm
Weight		0.47kg	0.51kg		0.61kg	0.89kg	1.93kg



XDR-75E Series

Model No.	Output	Tol.	R&N	Eff.
XDR-75E-12	12V, 0~6.3A	±2.0%	100mV	89.0%
XDR-75E-24	24V, 0~3.2A	±1.0%	100mV	90.0%
XDR-75E-36	36V, 0~2.1A	±1.0%	120mV	91.0%
XDR-75E-48	48V, 0~1.6A	±1.0%	120mV	91.0%

XDR-240E Series

Model No.	Output	Tol.	R&N	Eff.
XDR-240E-12	12V, 0~20A	±2.0%	100mV	94.0%
XDR-240E-24	24V, 0~10A	±1.0%	100mV	95.2%
XDR-240E-36	36V, 0~6.6A	±1.0%	120mV	95.5%
XDR-240E-48	48V, 0~5.0A	±1.0%	150mV	95.5%

XDR-120E Series

Model No.	Output	Tol.	R&N	Eff.
XDR-120E-12	12V, 0~10A	±2.0%	100mV	89.0%
XDR-120E-24	24V, 0~5.0A	±1.0%	120mV	91.0%
XDR-120E-36	36V, 0~3.3A	±1.0%	150mV	91.0%
XDR-120E-48	48V, 0~2.5A	±1.0%	150mV	91.0%

XDR-480E Series

Model No.	Output	Tol.	R&N	Eff.
XDR-480E-12	12V, 0~30A	±2.0%	100mV	94.0%
XDR-480E-24	24V, 0~20A	±1.0%	120mV	95.5%
XDR-480E-36	36V, 0~13A	±1.0%	150mV	95.5%
XDR-480E-48	48V, 0~10A	±1.0%	150mV	96.0%

XDR-150E Series

Model No.	Output*	Tol.	R&N	Eff.
XDR-150E-12	12V, 0~11A	±2.0%	100mV	89.0%
XDR-150E-24	24V, 0~6.5A	±1.0%	120mV	90.0%
XDR-150E-36	36V, 0~4.3A	±1.0%	150mV	91.0%
XDR-150E-48	48V, 0~3.3A	±1.0%	200mV	91.0%

XDR-960E Series

Model No.	Output	Tol.	R&N	Eff.
XDR-960E-24	24V, 0~40A	±1.0%	120mV	94.5%
XDR-960E-36	36V, 0~27A	±1.0%	150mV	95.0%
XDR-960E-48	48V, 0~20A	±1.0%	150mV	95.5%

*200~230Vac operation, for 115Vac operation derate 20%, except XDR-150E-12 = 10%

Tol = voltage tolerance; R&N = Ripple & Noise (peak to peak); Eff = Efficiency

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