XTR Series 240W~ 960W Premium Slim 3-phase Input Range

XTR-240 XTR-480 XTR-960

Power Supply Features

- 3-phase, 320~600VAC wide range input (2-phase and DC operation also possible)
- Built-in active PFC (except XTR-240 = passive)
- High efficiency up to 96%
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Fan-less design, cooling by free air convection
- Built-in 150%~200% peak constant current limit
- Built-in DC OK relay contact
- Can be installed on DIN rail TS-35/7.5 or 15
- Built-in Remote ON/OFF control for XTR-480/960
- Current sharing up to 3840W (3+1) for XTR-480/960
- Lever-Actuated (LA) or Plug-In (PI) terminal options
- **5 year warranty**

(GL type)

LISTED Class I, Div. 2

LISTED UL61010

BS EN/EN62368-1 BS EN/EN61558-1 BS EN/EN61010-1

IEC62368-1 IEC61558-1 IEC61010-1

AS/NZS61558-1 AS/NZS62368-1

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

Model No.		XTR-240	XTR-480	XTR-960
AC input voltage range		3-phase 320~600VAC (2-phase operation possible); 450~800VDC		
AC input current (typ.)		0.69A / 400VAC, 0.6A / 500VAC	0.85A / 400VAC, 0.7A / 500VAC	2.0A / 400VAC, 1.4A / 500VAC
AC inrush current (typ.)		10A at 400VAC, cold start	10A at 500VAC, cold start	
DC adjustment range		**12V:** 12V~15V(except XTR-960), **24V:** 24~29V, **36V:** 36V~42V, **48V:** 48~55V		
Overload protection		105~150% rated output power for more than 5 secs then constant current limiting, unit will hiccup if Vo < 30% (XTR-240) 105~200% rated output power for more than 5 secs then constant current limiting, unit will hiccup if Vo < 30% (XTR-480/960)		
Overvoltage protection	Range	**12V:**15~18V **24V:**30~36V **36V:**45~54V **48V:**56~65V	**12V:**15~18V(XTR-480) **24V:**30~35V **36V:**43~50V **48V:**56~65V	
	Type	Shut down o/p voltage, re-power on to recover (XDR-480/960) Hiccup mode, recovers automatically after fault is removed (XDR-240)		
Over temp. protection		Shut down output voltage, recovers automatically after temperature goes down		
Withstand voltage		I/P-O/P: 4.87kVAC, I/P-FG: 2.5kVAC, O/P-FG: 0.5kVAC, O/P-DC OK: 0.5kVAC		
Isolation resistance		>100MΩ @500VDC		
Working temperature		-40°C ~ +85°C (refer to output derating curve)		
DC OK signal		Relay Contact 30VDC 1A, 30VAC 0.5A resistive load		
Leakage current		< 2mA at 530VAC	< 3.5mA at 530VAC	
Vibration		10~500Hz, 2G 10 minutes / 1 cycle, period of 60 minutes each a long X, Y, Z axes		
Safety standards		UL121201, UL61010, EN62368-1, EN61558-1/-2-16, EN61010-1, IEC62368-1, IEC61558-1, IEC61010-1; RCM AS/NZS62368-1, AS/NZS61558-1/-2-16, BSMI CNS15598-1, CCC GB4943.1, EAC TPTC004 approved, Marine DNV (GL type)		
EMC standards		EN55032/EN61204-3 class B, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55035, EN61000-6-2		
Connections		I/P: 4 pole, O/P: 4 pole screw terminals	LA=Lever Actuated, PI=Plug-In (options)	I/P: 4 pole, O/P: 6 pole
Dimensions (WxHxD)		48x125.2x125mm	63x125.2x125mm	96x125.2x132mm
Weight		0.99kg	1.18kg	2.18kg

240W XTR-240

Model No.	Output	Tol.	R&N	Eff.
XTR-240-12□	12V, 0~15A	±1.0%	100mV	88.7%
XTR-240-24□	24V, 0~10A	±1.0%	100mV	92.5%
XTR-240-36□	36V, 0~6.7A	±1.0%	120mV	92.5%
XTR-240-48□	48V, 0~5A	±1.0%	120mV	93.5%

480W XTR-480

Model No.	Output	Tol.	R&N	Eff.
XTR-480-12□	12V, 0~30A	±2.0%	120mV	93.0%
XTR-480-24□	24V, 0~20A	±1.0%	120mV	94.0%
XTR-480-36□	36V, 0~13.3A	±1.0%	150mV	94.5%
XTR-480-48□	48V, 0~10A	±1.0%	150mV	95.5%

960W XTR-960

Model No.	Output	Tol.	R&N	Eff.
XTR-960-24□	24V, 0~40A	±1.0%	120mV	95.0%
XTR-960-36□	36V, 0~26.7A	±1.0%	150mV	95.5%
XTR-960-48□	48V, 0~20A	±1.0%	150mV	96.0%

□ blank = screw terminal, LA = Lever Actuated, PI = Plug-In

XTR Vs TDR

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