



Features

- 3-phase, 340~550VAC wide range input (2-phase operation possible)
- Width only 110mm for TDR-960; 85.5mm for TDR-480
- Built-in active PFC function
- High efficiency up to 94.5%
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508(industrial control equipment)approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Current sharing up to 3840W(3+1) for TDR-960
- Built-in DC OK relay contact (optional for TDR-480)
- 100% full load burn-in test
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	TDR-480	TDR-960
AC input voltage range	3-phase 340~550VAC (2-phase operation possible), 480~780VDC	
AC input current (Typ.)	1.6A / 400VAC, 1.3A / 500VAC	2.0A / 400VAC, 1.4A / 500VAC
AC inrush current (max.)	Cold start, 50A at 400VAC	Cold start, 60A at 400VAC
DC adjustment range	24V: 24~28V, 48V: 48~55V	
Overload protection	105%~130% rated output power, constant current limiting, unit will shut down after 3 sec., re-power on to recover	
Over voltage protection	Range: 29~33V for 24V model, 56~65V for 48V model Type: Shut down o/p voltage, re-power on to recover	
Over temperature protection	Shut down o/p voltage, auto-recovery after temperature goes down	
Withstand voltage	I/P-O/P:3kVAC I/P-FG:2kVAC O/P-FG:0.5kVAC, O/P-DC OK: 0.5kVAC(TDR-960)	
Working temperature	-30~+70°C (refer to output derating curve)	
Safety standards	UL508 approved; IEC60950-1 CB approved by SIQ (TDR-480 pending); Design refer to EN61558-1/-2-16 for TDR-480	
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204, heavy industry level	
Connection (screw DIN terminal)	I/P: 3 poles, O/P: 4 poles	I/P: 3 poles, O/P: 6 poles
Case No.	984	214A
Dimension (WxHxD)(mm)	85.5x 125.2x 128.5	110x 125.2x 150

480W Under Development TDR-480

Model No.	Output	Tol.	R&N	Effi.
TDR-480-24	24V, 0~20A	±1.0%	150mV	92%
TDR-480-48	48V, 0~10A	±1.0%	240mV	92%

960W TDR-960

Model No.	Output	Tol.	R&N	Effi.
TDR-960-24	24V, 0~40A	±1.0%	180mV	94.0%
TDR-960-48	48V, 0~20A	±1.0%	250mV	94.5%

Under Development

HDR-15/30/60/100 Series

15~100W

Ultra Slim Step Shape

- Ultra slim design, 17.5mm(1SU) / 35mm(2SU) / 52.5mm(3SU) / 70mm(4SU) for HDR-15/30/60/100 respectively
- Universal AC input / Full range
- No load power consumption<0.3W
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- NEC class 2 / LPS (15~60W)
- Isolation class II
- LED indicator for power on
- Design refer to UL60950-1/508/1310, EN60950-1/61558-2-16
- Output models: 5V / 12V / 15V / 24V / 48V
- 3 years warranty