SDR Series 75~960W Slim with up to 150% overload capability

Power Supply Features

- High efficiency up to 94%
- Universal AC input (SDR-75/120/240/480)
  AC input 180~264VAC (SDR-960)
- Built-in active PFC (except SDR-75)
- Protection: Short circuit / Overload /
  Over voltage / Over temperature
- Cooling by free air convection
- 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
- Built-in DC OK relay contact (except SDR-75)
- 150% peak load capability (SDR-75/120/240/480)
  130% peak load capability (SDR-960)
- Current sharing up to 3840W (7+1) for SDR-480P
  Current sharing up to 3840W (3+1) for SDR-960
- Complies with GL marine (SDR-120/240/480)
  Complies with SEMI F47 (SDR-75/120/240/480)
- **3 year warranty**

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

Model No.		SDR-75	SDR-120	SDR-240	SDR-480 □	SDR-960
AC input voltage range		88~264VAC; 124~370VDC			90~264VAC; 127~370VDC	180~264VAC; 254~370VDC
AC inrush current (max.)		Cold start, 50A at 230VAC	Cold start, 70A at 230VAC	Cold start, 65A at 230VAC	Cold start, 80A at 230VAC	Cold start, 50A at 230VAC
DC adjustment range		**12V:** 12~14V (SDR-75/120 only), **24V:** 24~28V, **48V:** 48~55 V				
Overload protection		Normally works within 110~150% rated output power for 3 seconds and then shuts down the output with auto-recovery (re-power on to recover for SDR-75)				Normally works within 105~130% rated output power for 3 seconds and then shuts down o/p voltage with auto-recovery after 30 seconds if the peak load condition is removed
		>150% rated power or short circuit, constant current limiting with auto-recovery within 2 seconds and may shut down if over 2 seconds (re-power on to recover)				Constant current limiting within 130~150% rated output power for more than 3 seconds and then shut down o/p voltage, re-power on to recover
Overvoltage protection	Range	14~17V for 12V model (SDR-75/SDR-120), 29~33V for 24V model, 56~65V for 48V model				
	Type	Shut down o/p voltage, re-power on to recover		Shut down o/p voltage with auto-recovery, or re-power on to recover		
Over temperature protection		Re-power on to recover	Recovers automatically after temperature goes down			
Withstand voltage		I/P-O/P:3kVAC, I/P-FG:1.5kVAC, O/P-FG:0.5kVAC, O/P-DC OK:0.5kVAC (except for SDR-75)				
Working temperature		-30°C ~ +70°C	-25°C ~ +70°C (always refer to output derating curve)			-30°C ~ +70°C
Safety standards		UL508, TUV EN60950-1, GL marine (SDR-120/240/480), EAC TP TC 004 approved				
EMC standards		EN55011(SDR-75/120/240/480), EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2(EN50082-2) EN61204-3; SEMI (SDR-75/120/240/480), GL marine (SDR-120/240/480) approved, heavy industry level, EAC TP TC 020				
Connections		I/P: 3 pole, O/P: 4 pole screw terminals		I/P:3 pole,O/P: 6pole screw terminals	I/P:3 pole,O/P: 8pole screw terminals	I/P:3 pole, O/P: 6 pole screw terminals
Dimensions (WxHxD)		32x125.2x102mm	40x125.2x113.5mm	63x125.2x113.5mm	85.5x125.2x128.5mm	110x125.2x150mm
Weight		0.51kg	0.67kg	1.03kg	1.6kg	2.47kg

SDR-75 Series

Model No.	Output	Tol.	R&N	Eff.
SDR-75-12	12V, 0~6.3A	±1.0%	100mV	88.5%
SDR-75-24	24V, 0~3.2A	±1.0%	100mV	89.0%
SDR-75-48	48V, 0~1.6A	±1.0%	120mV	90.0%

SDR-120 Series

Model No.	Output	Tol.	R&N	Eff.
SDR-120-12	12V, 0~10A	±1.0%	100mV	89.0%
SDR-120-24	24V, 0~5A	±1.0%	100mV	91.0%
DR-120-48	48V, 0~2.5A	±1.0%	120mV	90.5%

SDR-240 Series

Model No.	Output	Tol.	R&N	Eff.
SDR-240-24	24V, 0~10A	±1.0%	100mV	94%
SDR-240-48	48V, 0~5A	±1.0%	120mV	94%

SDR-480 Series

Model No.	Output	Tol.	R&N	Eff.
SDR-480□-24	24V, 0~20A	±1.2%	100mV	94%
SDR-480□-48	48V, 0~10A	±1.0%	120mV	94%

□ = Blank: standard function, P: parallel function

SDR-960 Series

Model No.	Output	Tol.	R&N	Eff.
SDR-960-24	24V, 0~40A	±1.0%	180mV	94%
SDR-960-48	48V, 0~20A	±1.0%	250mV	94%