

DIN Series

240~480W Miniature with PFC Function



Features

- High efficiency up to 94%
- Universal AC input / Full range
- PF>0.99@115VAC; >0.93@230VAC
- 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
- UL 508(industrial control equipment) listed
- EN61000-6-2(EN50082-2) industrial immunity level
- Active current sharing up to 4 units (SDR-480)
- Built-in DC OK relay contact
- 150% peak load capability
- Comply with GL and SEMI F47
- 3 years warranty

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



Model No.		SDR-240	SDR-480
AC input voltage range		88~264VAC; 124~370VDC	
AC inrush current (max.)		Cold start, 31A at 115VAC, 62A at 230VAC	
DC adjustment range		24V: 24~28V, 48V: 48~55V	
Overload protection		Normally works within 110 ~ 150% rated output power for 3 sec. and then shut down output voltage with auto-recovery 150 ~ 170% rated power or short circuit, 88~132VAC: Constant current limiting within 3 sec. and then shut down output voltage with auto recovery 180~264VAC: Constant current limiting within 3 sec. and then shut down output voltage, re-power on to recover	
OVP	Range	29~33V for 24V model, 56~60V for 48V model	
	Type	Protection type : Shut down o/p voltage with auto-recovery	
OTP	Range	95°C±5°C (TSW : detect on heatsink of power switch)	
	Type	Shut down output voltage, 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	
Working temperature		-25 ~ +70°C (Refer to output derating curve)	
Safety standards		UL508, TUV EN60950-1, GL approved (480W pending)	
EMC standards		Compliance to EN55022 Class B, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, SEMI F47, GL	
Connection		I/P: 3 poles, O/P: 6 poles screw DIN terminal	I/P: 3 poles, O/P: 7 poles screw DIN terminal
Dimension (L*W*H)(mm)		63x 125.2x 113.5	85x 125.2x 124

240W						480W					
Stock No.	Model No.	Output	Tol.	R&N	Effi.	Stock No.	Model No.	Output	Tol.	R&N	Effi.
11681	SDR-240-24	24V, 10A	±1.0%	100mV	94%	11691	SDR-480-24	24V, 20A	±1.0%	100mV	94%
11682	SDR-240-48	48V, 5A	±1.0%	120mV	94%	11692	SDR-480-48	48V, 10A	±1.0%	120mV	94%

Feature Description

SDR family is our new slim DIN rail product series targeting at the growing demand of high performance DIN rail power supply in the market. Featuring up to 94% of extreme high efficiency, they can provide 240W or 480W continuously and 150% peak power for 3 seconds up to 60°C by only free air convection. The slim design of 63.5mm(SDR-240) / 85mm(SDR-480) in width helps save the precious space on the rail and also makes it 42.8% and 68.3% smaller in size compare to its predecessor model. To fulfill the requirements of marine and semi-conductor related usage, the SDR family complies with GL and SEMI F47 norms in addition to UL, CUL, TUV, and CE certificates. 240W & 480W models are available now, and the 120W model is coming soon!

To satisfy our customers is our goal —

- High Quality
- Low Cost
- Prompt Delivery
- Best Service



Who can provide you better services and be a trustworthy partner in the power industry?

— "MEAN WELL" tries to be —

