

**SUNPOWER TECHNOLOGY CORP.**

16F.-1, No.150, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

TEL: 886-2-8226-3100 FAX: 886-2-8226-3111

http://www.sunpower.com.tw

E-mail: sunpower@sunpower.com.tw

SDL-065AQ1 SDL-075B/CQ1

65W / 75W, Quad Output**L Bracket Type**

127 x 80 x 51 mm

5.0 x 3.15 x 2.0 inch

**Features:**

- * Soft start function, low inrush current
- * Built-in cooling 12V DC fan base CN3 for system
- * Built-in LED indicator base CN4
- * Input under voltage protection
- * Input polarity reverse protection
- * Over voltage, over load & short circuit protection
- * 100% full load burn-in test
- * Meet LVD standard
- * 2 years warranty

Specification:

INPUT	Model No.	SDL-065AQ1				SDL-075BQ1				SDL-075CQ1			
	Voltage	9.5~18V DC (typical 12V)				18~36V DC (typical 24V)				36~72V DC (typical 48V)			
	Current	<10A@9.5V DC				<5.9A@18V DC				<3.0A@36V DC			
	Protection	Fuse 12A/250V				Fuse 8A/250V				Fuse 4.0A/250V			
OUTPUT	MODEL No.	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4
	Voltage	5V	12V	-12V	-5V	5V	12V	-12V	-5V	5V	12V	-12V	-5V
	Min. Load	0.5A	0.1A	0A	0A	0.5A	0.1A	0A	0A	0.5A	0.1A	0A	0A
	Max. Load	7A	2A	0.5A	0.3A	8A	2.5A	0.5A	0.5A	8A	2.5A	0.5A	0.5A
	Peak Load ⑥	—	4A	—	—	—	4A	—	—	—	4A	—	—
	Output Tolerance ②	±3%	±5%	±5%	±5%	±3%	±5%	±10%	±10%	±3%	±5%	±5%	±5%
	Ripple Noise MAX. ③	70mV	120mV	150mV	100mV	70mV	120mV	150mV	100mV	70mV	120mV	150mV	100mV
	Efficiency (TYP.)	70%				73%				75%			
Output MAX.	65W				75W				75W				
PROTECTION	Over Voltage	5.8~7.0V	—	—	—	5.8~7.0V	—	—	—	5.8~7.0V	—	—	—
		Hiccup and recovers automatically after the fault is removed.											
	Input Voltage, Shutdown	Under Voltage < 9V				Under Voltage < 15V~17V				Under Voltage < 32V~35V			
OverLoad & ShortCircuit	When power supply over 105%~ 180% max load or short circuit acted, power supply will shutdown.												
ELEC. CHAR.	Rise time	<20mS											
ENVIRONMENT	Temperature ④	Operating: -10 ~ +70℃ ; De-rating: 45 ~ 70℃: 2.5%/℃ ; Storage: -20 ~ +85℃											
	Humidity	Operating: 20% ~ 90% RH (non condensing); Storage: 10% ~ 95% RH (non condensing)											
SAFETY	Withstand voltage	I/P-O/P:2.0KVAC, I/P-FG:1KVAC, 1minute											
	Isolation resistance	I/P-O/P, I/P-FG, > 100MΩ/500VDC at 25℃ / 70% RH											
	Safety standard	UL 60950-1 1 st ,CSA C22.2 No. 60950-1- 03 1 st , approved. TUV EN 60950-1:2001+A11,IEC 60950-1, standard											
EMC	EMI	EN /BS EN 55032 CLASS B 、 FCC CFR 47 PART 15 CLASS B 、 CNS 13438 CLASS B.											
	EMS	EN /BS EN 55035 EN /BS EN 61000-4-2,3,4,6,8 ; ENV 50204											
OTHERS	Cooling	Natural Cooling.											
	M.T.B.F.	310K hours				290K hours				290K hours			
	Dimension	127 x 80 x 51 mm (L*W*H)											
Packing	N.W.: 0.47Kg / 1pc ; 30pcs/ 1.44 CUFT / 1 CTN												

NOTE

- ① All measurements which not mentioned are based on 12V/24V/ 48VDC input, **output Max** at ambient 25℃ / 70%RH
- ② Output tolerance included set up voltage, line regulation and load regulation.
The regulation is measured between 20%-100% **max load** of each output, Total output must under **output Max**.
- ③ Ripple & noise are measured at 11~18V/21~36V/42~72VDC input with 10~50℃ condition and 20MHz of bandwidth by terminated using a 10" ~15" twisted pair-wire with a 0.1uF & a 47uF parallel capacitor.
- ④ The operating temperature shall follow the de-rating curve in spec
- ⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.
- ⑥ 10% duty cycle maximum within every 30 seconds.

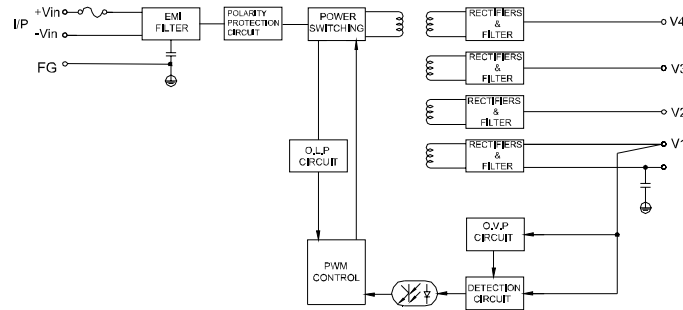


SUNPOWER TECHNOLOGY CORP.
 16F.-1, No.150, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)
 TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
 http://www.sunpower.com.tw
 E-mail: sunpower@sunpower.com.tw

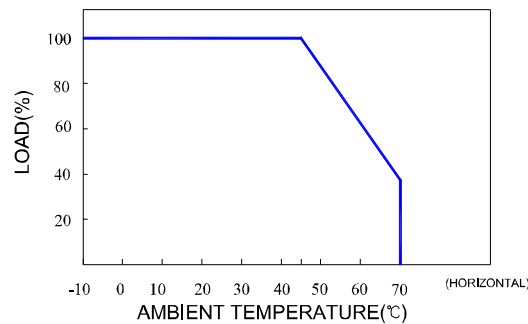
SDL-065AQ1

SDL-075B/CQ1

Block Diagram : DQ1

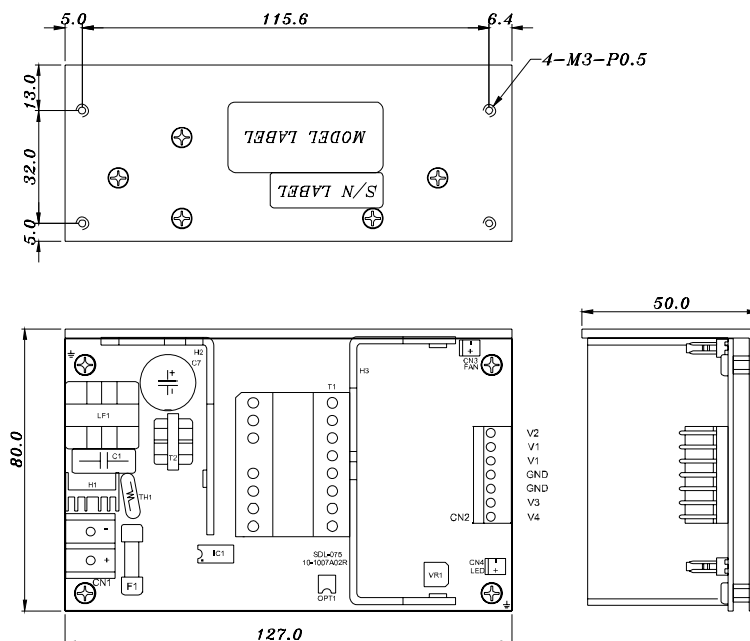


De-rating Curve :



Dimension:

(Unit: mm)



NOTES:

THEADER : I/P: CN1. 2P P=8.25 mm
 O/P: CN2. 7P P=3.96 mm, MOLEX 5273-07 or COMPATIBLE
 FAN:CN3. 2P P=2.54 mm, MOLEX 5045-2A or COMPATIBLE
 LED: CN4. 2P P=2.54 mm, MOLEX 5045-2A or COMPATIBLE