



■ Features:

- DC input:36VDC--60VDC
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OLP/OPP
- Wide operating ambient temperature (0°C~50°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 1 year warranty

SPECIFICATION

MODEL		DCM-48D100D5+12		
OUTPUT	Output Number	V1	V2	
	DC Output	5.5V	12.0V	
	Rated Current	15.0A	0.8A	
	Current Range Note 1	0~15.0A	0~0.8A	
	Ripple and Noise Note 2	0~50°C	100mV	120mV
	Voltage Accuracy	±3.0%	±20.0%	
	Line Regulation	±0.5%	±1.0%	
	Load Regulation	±2.0%	±20.0%	
	Set-up Time	<2.0S (48Vdc input, Full load)		
	Hold up Time	/		
	Temperature Coefficient	±0.03%/°C	±0.1%/°C	
	Overshoot and Undershoot	<5.0%		
INPUT	Voltage Range	36Vdc--60Vdc		
	Frequency Range	/		
	Efficiency (Typical)	75%@48Vdc,		
	DC Current (max.)	3.5A		
	Inrush Current (Typical)	/		
	Leakage Current	/		
PROTECTION	Over Power	110%~165% of rated output power, auto recovery		
	Over Current	110%~170% of rated output current, auto recovery		
	Over Voltage	V1:6.5V~9.0V auto recovery		
	Shorted Circuit	Long-time; auto recovery		
ENVIRONMENT	Operating amb.Temp.& Hum.	0°C~50°C; 20%~90%RH No condensing		
	Storage Temp. & Hum.	-20°C~80°C; 10%~95%RH No condensing		
SAFETY & EMC (Note 3)	Safety Standards	GB4943-2001; EN60950-1: 2006		
	Withstand Voltage	Primary-Secondary:0.5KVdc≤15mA.Primary-PG:0.5KVdc≤10mA.Secondary-PG:0.5KVdc≤5mA.		
	Isolation Resistance	≥100M ohms		
	EMI Conduction&Radiation	/		
	Harmonic Current	/		
OTHERS	EMS Immunity	/		
	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)		
	Dimension (L*W*H)	160×98×38mm		
NOTE	Cooling method	Cooling by free air convection		
		1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.		