

**Features:**

- Standard DC input range
- Can use as 2 Stage battery Charger
- Protection: Short circuit / Overload / Over Voltage
- Protection by internal fuse
- On/Off control Fan, Charging Fan
- +Optional Relay contact signal output for AC OK
- +Optional Remote ON-Off control
- +Optional active current sharing up to (3+1)
- Cooling by free air convection(400W-30min)
- 100% full load burn-in test
- 2 years warranty

Applications:

- Security systems
- Emergency Lighting system
- Alarm system
- UPS system
- Central monitoring system
- Access systems



600-DCC series is a 600W DC/DC security DC DC Converter,. In addition to primary output, there is a charger output, with the smaller rated current, that provides the backup power supply application the security access system require.

600-DCC delivers an efficiency up to 85%; It can operate with air convection under -20°C through +70°C. This series is designed with thorough alarm features, can adding AC OK signaling; Moreover, the relay contact is provided to facilitate users system designs.

MODEL :

- 12VDC : 600-○○○○S12
- 24VDC : 600-○○○○S24
- 48VDC : 600-○○○○S48
- 110VDC: 600-○○○○110
- 220VDC: 600-○○○○220 (CAN BE ORDERED)

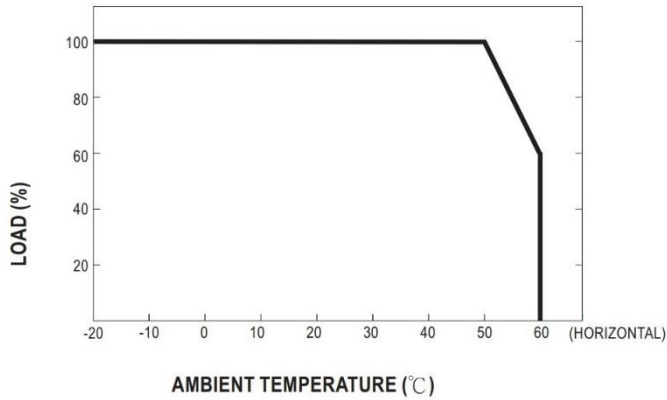
DC INPUT RANGE: -○○○ 24VDC(19-36) 48VDC(36-72)110(72-144)



MODEL		600-○○○DCC12	600-○○○DCC24	600-○○○DCC48	600-○○○DCC110
OUTPUT	OUTPUT NUMBER	CH1	CH1	CH1	CH1
	DC VOLTAGE	12.0V	24.0V	48.0V	110.0V
	RATED CURRENT	35A	21A	11.0A	5.0A
	CURRENT RANGE	0-35A	0-21A	0-11.0A	0-5.0A
	RATED POWER	580W	572W	500W	550W
	RIPPLE & NOISE(Notes)	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1 : 12~15V	CH1 : 24~29V	CH1 : 47~59V	CH1 : 100~120V
	VOLTAGE TOLERANCE(Notes)	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
SETUP,RISE TIME Note.4	2000ms, 30ms/230VAC2000ms at full Load				
HOLD UP TIME	40ms/230VAC at full Load				
INPUT	VOLTAGE RANGE	-○○○ 24VDC(19-36) 48VDC(36-72)110(72-144)			
	EFFICIENCY (Typ.)	84%	86%	87%	89%
PROTECTION	OVERLOAD	101~105% rated output power Protection type: Constant current Limiting , recovers automatically after fault condition is removed			
	OVER VOLTAGE	14.49~18.63VDC	28.98~37.26VDC	55.49~60.63VDC	120~135VDC
	OVER TEMP CONTROL	Protection type: Shut down o/p voltage , re-power on to recover			
ALARM FUNCTION	DC OK Note.5	OPTIONAL Relay contact output, ON : AC Okay ; OFF : AC Fail ; Max Rating : 30V-1A			
	Remote On/Off control	OPTIONAL Normal working CN3 is open, PSU is off if CN3 is short			
ENVIRONMENT	WORKING TEMP.	-20~+70°C REFER TO DERATING CURVE			
	WORKING HUMIDITY	20~90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-20~+85°C , 10~90% RH			
	TEMP. COEFFICIENT	±0.03% /°C (0~45°C) on CH1 Output			
SAFETY & EMC (NOTE4)	VIBRATION	10~500Hz 2G 10min./ 1cycle, 60min each along X,Y,Z			
	SAFETY STANDARD	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved			
	WITHSTAND VOLTAGE	I/P-O/P : 3KVAC I/P-FG : 2.0KVAC O/P-FG : 0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG , O/P-FG : 100MΩ / 500VDC / 25°C / 70%RH			
	EMC EMISSION	Compliance EN55032 (CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020			
OTHERS	EMC IMMUNITY	Compliance EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
	MTBF	257K hrs. min. MIL-HDBK-217F (25°C)			
	DIMENSION	250*130*64mm			
NOTE	PACKING	2.3Kg; 6pcs/14 Kg			
		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temp 2. Ripple & noise are measured at 20MHz of bandwidth by using 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor 3. Tolerance: includes set up tolerance. Line regulation and load regulation. 4. Length of set up time is measured at first cold start. Tuning ON/OFF the power supply may lead to increase of the set up time., 5. Please refer to suggested application 6. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to EMI testing of components power supplier The ambient temp derating of 3.5°C/1000m with fan less model and 5°C/1000m with fan model for operating altitude higher than 2000m.			



Derating Curve



Output Derating VS Input Voltage

