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

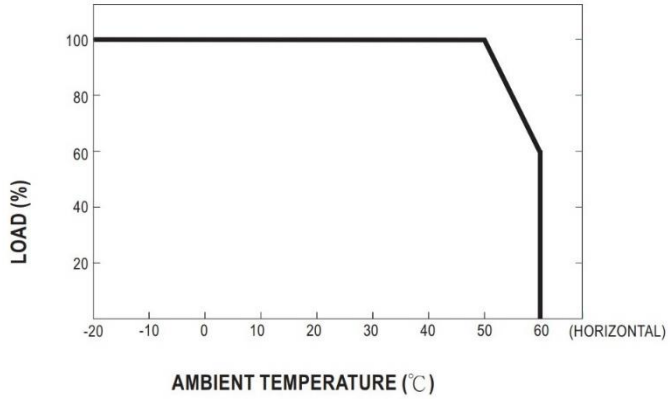
600-D series is a 600W DC/DC security DC DC Converter,. In addition to primary output, there is a charger output, with the smaller rated current, that provides the backup power supply application the security access system require.
600-D delivers an efficiency up to 85%; It can operate with air convection under -20°C through +70°C. This series is designed with thorough alarm features, can adding AC OK signaling; Morever, 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)

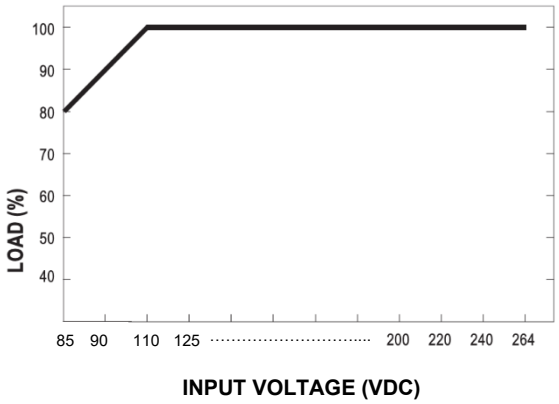
DC INPUT RANGE: -◯◯◯ 24VDC(19-36) 48VDC(36-72)110(72-144)

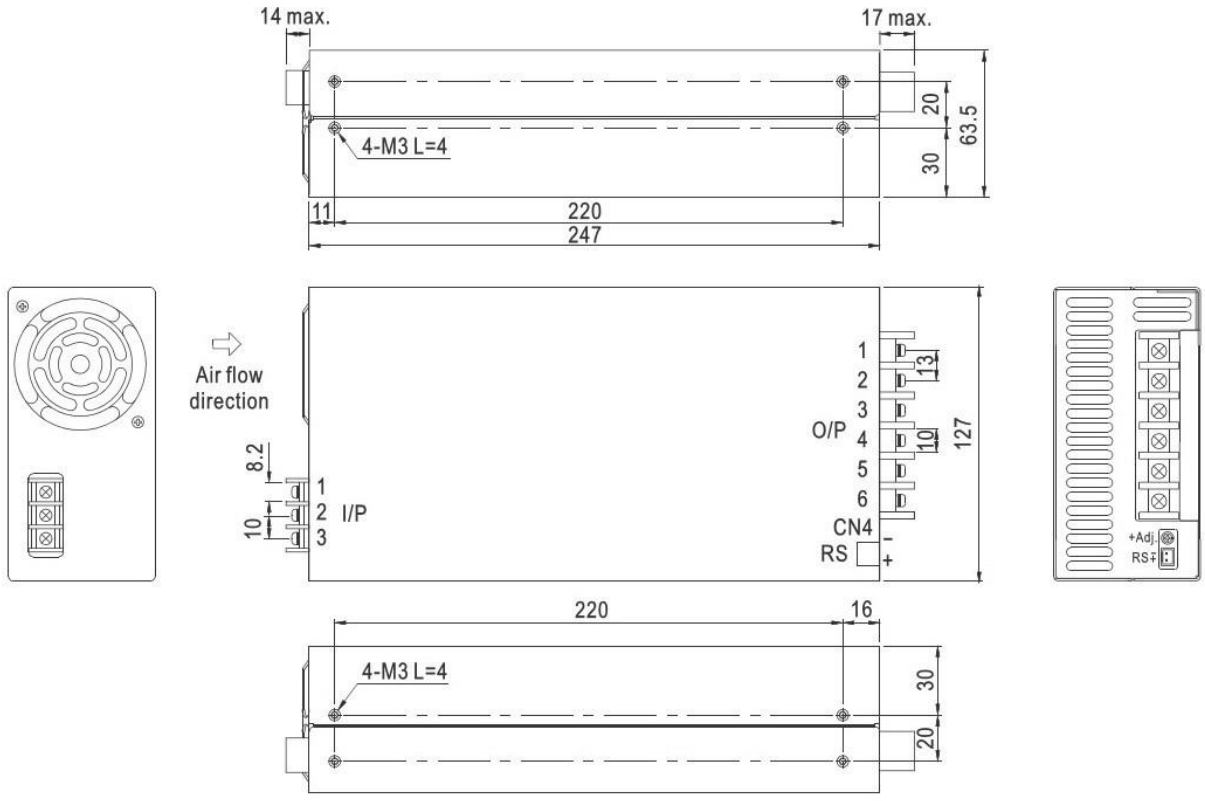
MODEL		600-◯◯◯D12	600-◯◯◯D24	600-◯◯◯D48	600-◯◯◯D110
OUTPUT	OUTPUT NUMBER	CH1	CH1	CH1	CH1
	DC VOLTAGE	12.0V	24.0V	48.0V	110.0V
	RATED CURRENT	35A	21A	11.0A	5.0A
	CURRENT RANGE	**0~35A**	**0~21A**	**0~11.0A**	**0~5.0A**
	RATED POWER	580W	572W	500W	550W
	RIPPLE & NOISE(Note2)	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1 : 12~15V	CH1 : 24~29V	CH1 : 47~59V	CH1 : 100~120V
	VOLTAGE TOLERANCE(Note2)	±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
		Protection type: Shut down o/p voltage , re-power on to recover			
	OVER TEMP CONTROL				
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			
	VIBRATION	10~500Hz 2G 10min./ 1cycle, 60min each along X,Y,Z			
SAFETY & EMC (NOTE4)	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			
	EMC IMMUNITY	Compliance EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
OTHERS	MTBF	257K hrs. min. MIL-HDBK-217F (25°C)			
	DIMENSION	250*130*64mm			
	PACKING	2.3Kg; 6pcs/14 Kg			
NOTE	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





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Samaneh series