

## 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 DC OK
- +Optional Remote ON-Off control
- +Optional active current sharing up to (3+1)
- Cooling by free air convection(300W-10hrs)
- 100% full load burn-in test
- 2 years warranty

## Applications:

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



**360W** series is a 360W DC/DC security DC DC Converter,. In addition it can have to primary output, there is a charger output(option), with the smaller rated current, that provides the backup power supply application the security access system require.

**360W** delivers an efficiency up to 88%; It can operate with air convection under -20°C through +70°C. This series is designed with thorough alarm features, can adding DC Input OK signaling; Moreover, the relay contact is provided to facilitate users system designs.

## MODEL :

12VDC : 360-○○○D12

24VDC : 360-○○○D24

48VDC : 360-○○○D48

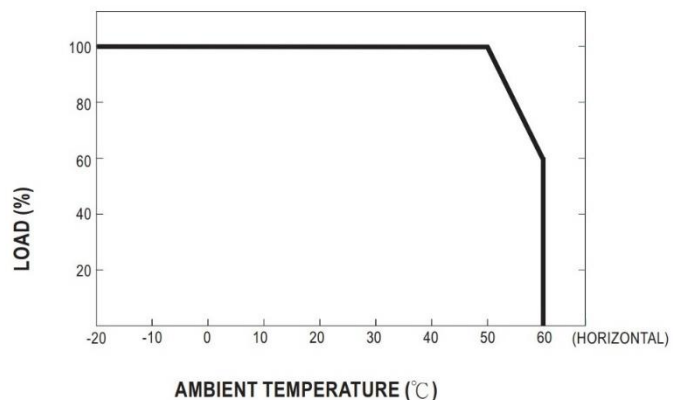
110VDC: 360-○○○D110

220VDC: 360-○○○D220 (CAN BE ORDERED)

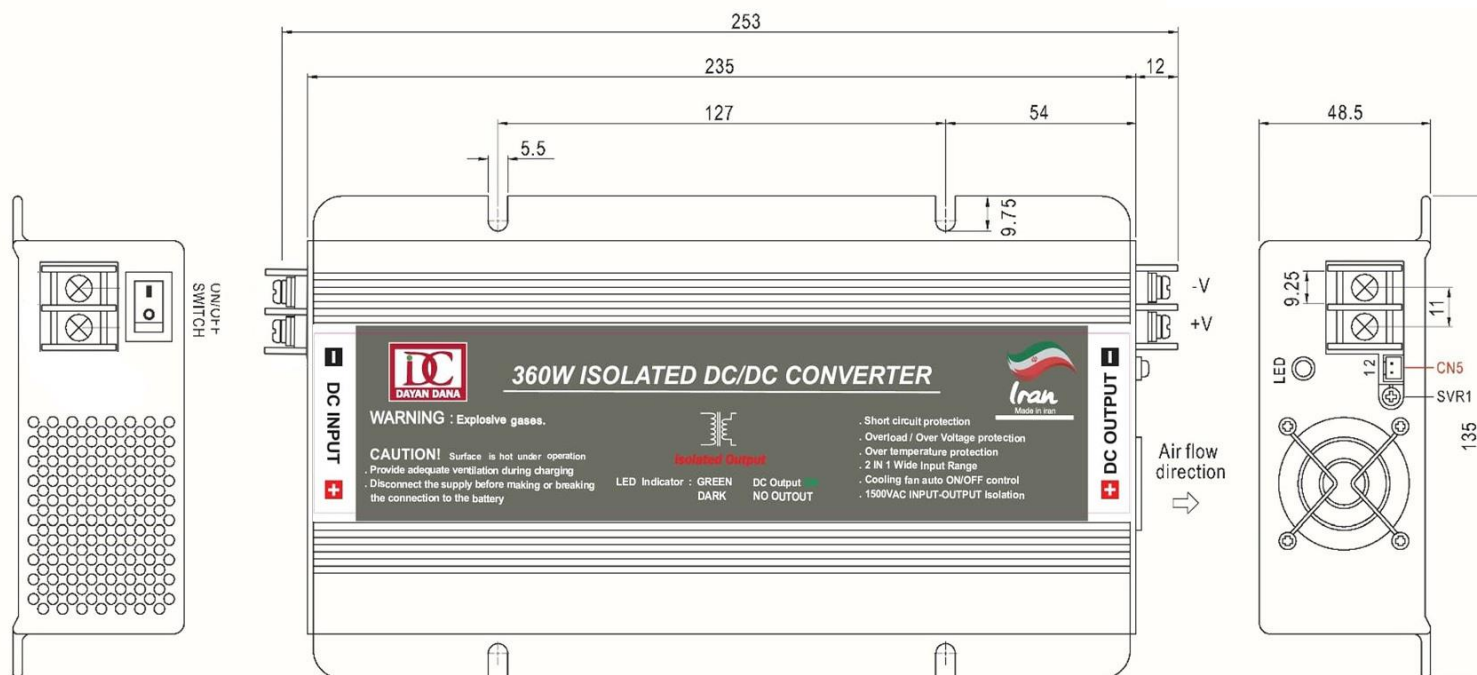
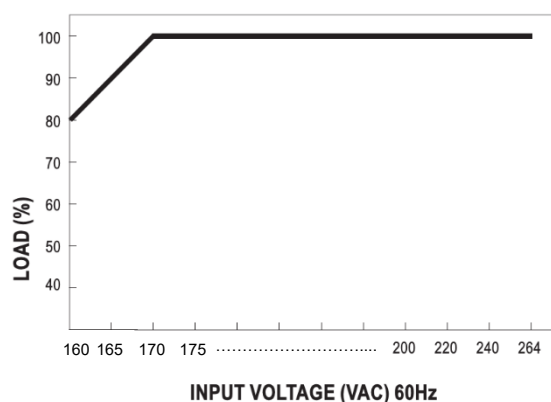
DC INPUT RANGE: -○○ 24VDC(19-36) 48VDC(36-72)110(72-144)

MODEL	360-○○○D12	360-○○○DCC24	360-○○○DCC48	360-○○○DCC110
OUTPUT	OUTPUT NUMBER	CH1	CH1	CH1
	DC VOLTAGE	12.0V	24.0V	48.0V
	RATED CURRENT	28A	21A	11.0A
	CURRENT RANGE	0~30A	0~15A	0~7.5A
	RATED POWER	330W	360W	360W
	RIPPLE & NOISE(Note2)	120mVp-p	150mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	CH1 : 12~15V	CH1 : 24~29V	CH1 : 47~59V
	VOLTAGE TOLERANCE(Note2)	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%
INPUT	SETUP,RISE TIME Note.4	300ms, 50ms at full Load		
	HOLD UP TIME	40ms at full Load		
	VOLTAGE RANGE	-○○ 24VDC(19-36) 48VDC(36-72)110(72-144)		
PROTECTION	EFFICIENCY (Typ.)	84%	86%	87%
	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
ALARM FUNCTION	OVER TEMP CONTROL	Protection type: Shut down o/p voltage, re-power on to recover		
	DC OK Note.5	OPTIONAL Relay contact output, ON: AC Okay; OFF: AC Fail; Max Rating: 30V-1A		
ENVIRONMENT	Remote On/Off control	OPTIONAL Normal working CN3 is open, PSU is off if CN3 is short		
	WORKING TEMP.	-20~+70°C REFER TO DERATING CURVE		
SAFETY & EMC (NOTE4)	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		
OTHERS	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: 1.5KVAC 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		
NOTE	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		
	MTBF	257K hrs. min. MIL-HDBK-217F (25°C)		
NOTE	DIMENSION	250*130*64mm		
	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



Remote Control(CN5) : JST B2B-XH or equivalent

Assignment	Mating Housing	Terminal
PIN1,2 Open: Normal work	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent
PIN1,2 Short: Stop Charging		