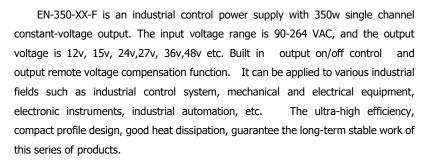


Product Feature

- 1. Universal AC input range 90 ~264VAC
- 2. Built-in active PFC function, PFC>0.95
- 3. LED indicator for power on
- 4. Forced air cooling by built-in DC fan
- 5. Support output remote voltage compensation and output on / off control (Optional)
- 6. -30~+70°C working temperature
- 7. Short circuit/Over load/Over voltage/Over temperature
- 8. 3 years warranty





Design meet EN61000-4-2,3,4,5,6,8,11\GB17625.1\EN61000-3-2,-3\EN55032\ GB4943\UL62368-1\IEC62368-1.











Application areas

- Industrial automation machinery
- Mechanical and electrical equipment
- Industrial control system
- Electronic instruments

Electrical Specifications

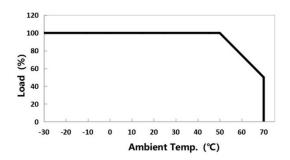
	Models	EN-350-12-F	EN-350-15-F	EN-350-24-F	EN-350-27-F	EN-350-36-F	EN-350-48-F	
	Input Voltage range	90∼264VAC						
	Rated Input voltage	100∼240VAC						
	Max. Input Current	2.2A/220Vac						
		4.5A/110Vac						
Input	Efficiency (Typ.) 220VAC,Full load)	86%	87%	88%	88%	89%	89%	
	Frequency range	47~63HZ						
	Leakage current	I/P-FG≤3.5mA, I/P-O/P≤0.25mA (Input: 240VAC)						
	Inrush current	<60A/220VAC						
	DC Voltage	12V	15V	24V	27V	36V	48V	
	Rated current	0-27A	0-22A	0-14.6A	0-13A	0-9.7A	0-7.4A	
	Output Power	324W	330W	350.4W	351W	349.2W	355.2W	
	Voltage adjust range	10 ~ 13.2V	13.5~15.5V	20∼26.4V	25~29V	32.4~39.6V	41∼56V	
Output	Voltage setting range (10%loading)	12.0-12.2V	15.0-15.2V	24-24.3V	27-27.3V	36.0-36.4V	48.0-48.4V	
	Ripple and noise (pk-pk)	<150mV	<150mV	<150mV	<200mV	<240mV	<240mV	
	Turn on delay time	<1500ms/220VAC,100% load						
	Rise time	<50ms/220VAC,100% load						
	Hold up time	>8ms/220VAC,100% load						



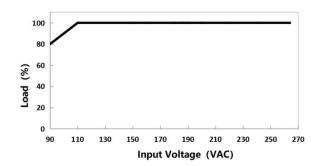
	Line regulation	±0.5%						
	Load regulation	±1%						
	Output Voltage Accuracy	±1% ±0.03% (0-50°C)						
	Temperature coefficient							
		ESD IEC/EN61000-4-2: Contact ±4KV, Air ±8KV; Criteria B						
		Radiated Susceptibility IEC/EN61000-4-3: 10V/m; Criteria B						
		EFT IEC/EN61000-4-4: ±2KV; Criteria B						
EMC	EMS	Surge IEC/EN61000-4-5: line to line ±2KV/line to groun B		(V/line to ground)	±4KV ; Criteria			
		Conducted Susceptibility IEC/EN61000-4-6: 10Vr.m.s; Criteria B						
		Voltage Dips IEC/EN61000-4-11: 0%,70%; Criteria B						
	Harmonic current	Design refer to:GB17625.1;EN61000-3-2 Class A						
	EMC	Design refer to::EN55032(CISPR32) Class B						
	Safety specification	Design refer to:GB4943/UL62368-1						
		I/P-O/P: 3KVac/10mA; I/P-CASE: 1.5KVac/10mA;						
Safety	Withstand voltage	O/P-CASE: 0.5KVac/10mA Each testing time:1min						
	Insulation impedance	500VDC: I/P-O/P: 10M ohms: I/P-Case: 10M ohms: O/P-Case: 10M ohms						
	Over voltage	13.8-16.2V 16.5-20V	27.5-32.5V	30.5-35V	41.5-49V	57-68V		
	(10%loading)	Constant voltage, recovers autor	natically after fault	condition remov	red			
Protections	Over load	$110{\sim}160\%$ rated current. Hiccup mode, recovers automatically after fault condition is removed						
110000010	Over temperature	Shut down output voltage: recovers automatically after temperature decreases						
	Short circuit	Hiccup mode, recovers automatically after fault condition is removed						
	ON/OFF control	RC + / RC -; 0-0.6v or open circuit power on; 4-10v power off (optional)						
	Remote voltage	S + / S -; s + and S - are respectively connected to the positive and negative ends of the load,the						
Function	compensation	maximum line voltage drop can be compensated to 0.2V (optional)						
	Cooling method	Forced air cooling by built-in DC fan						
	Working	Torced an cooling by built in De full						
	Temp&humidity	-30~70°C; 20%~95%RH non-condensing (Refer to Derating Curve)						
	Storage	-40~80°C; 10%~95%RH non-condensing						
Environment	Temp&humidity							
	Vibration	10~500Hz,2G, 10min/1 cycle,60min.each along X,Y, Z axes						
	Impact	20G, last 11mS, 3 impacts along X, y and Z axes						
	Altitude	5000m, the ambient temperature derating of 0.6 °C/100m for operating altitude higher than 2000m						
Reliability	MTBF	Under 25°C: 100000Hrs, Telcord	ia SR-332 issue3 M	1ethod				
	Size	215*115*30mm(L*W*H)						
Other	Packing	0.8Kg/PCS: 20PCS/CTN						
requirements	Cooling method ☐ free air convection ☑ with fan							
	More options	□ PCB double side conformal coating □ Terminal with cover □ low temp start(-40°C) □ Other						
	*In order to extend the service life, it is recommended to leave 30% more allowance when loading. For example, if the							
	equipment needs 100W power, please choose the power supply over 130W.							
	*Ripple&noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel							
Notes	capacitor.							
	*All parameters NOT specially mentioned are measured at 230VAC input,rated load and 25°C of ambient temperature.							
	*The power supply is considered a component which will be installed into a final equipment. The final equipment must be							
	re-confirmed that it still meets EMC directives.							



Derating Curve

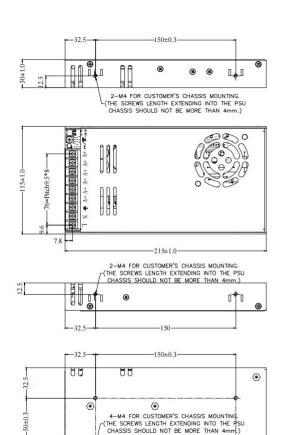


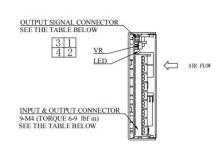
Output Derating VS Input Voltage



Mechanical Specification

Unit:mm





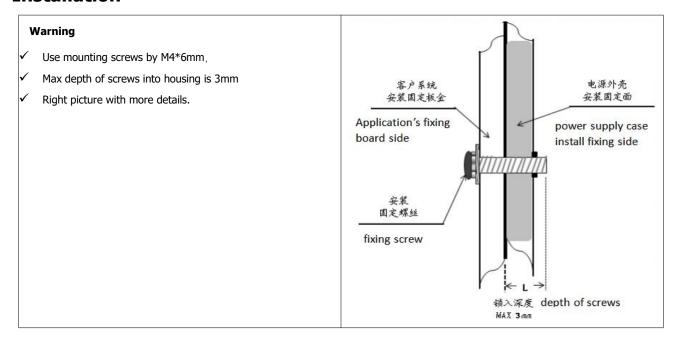
Input and Output Terminals Description

	T	1	T
PIN Number	PIN Function	PIN Number	PIN Function
	EARTH	+V	DC Vo+
N	AC NETURAL	-V	DC Vo-
L	AC LINE	SIGNAL 1	RC-
		SIGNAL 2	RC+
		SIGNAL 3	S-
		SIGNAL 4	S+

③



Installation



Instructions

- 1, please follow the installation instructions when use the power supply.
- 2. Before power on test run after installation, please check and proofread the wiring on each terminal, make sure that the input and output, AC and DC, positive and negative, voltage and current values are correct, prevent the occurrence of wrong connection, and avoid damaging the power supply and user equipment.
- 3. Before power on, please use a multi meter to measure whether the live wire, zero wire and ground wire are short circuited, and whether the output terminal is short circuited; it is better to start without load when power on.
- 4. Do not exceed the nominal value of the power supply when using, so as not to affect the reliability of the product. If you need to change the output parameters of the power supply, please consult our technical department before using.
- 5. In order to ensure the safety of use and reduce interference, please ensure that the grounding terminal is reliably grounded (ground wire please thicker than AWG18#) .
- 6. If the power supply fails, please do not repair it without permission.

Transport storage:

1 Transport:

The package is suitable for shipping by automobiles, ships, airs, trains, etc. During transportation, it shall be rain proof, loaded and unloaded gently.

2. Storage:

When the product is not in use, it shall be placed in the packing box. The storage environment temperature and relative humidity shall meet the requirements of the product. No corrosive gas or product in the warehouse, and no strong mechanical vibration, impact and strong magnetic field. The packing box shall be padded at least 20cm above the ground, and not be soaked. If the storage time is too long (more than 1 year), it shall be rechecked by professionals before use.

DONGGUAN AMCHARD-POWER TECHNOLOGY CO., LTD.

www.amchard-power.com