



# SNP-X12 Series

120W AC-DC ITE & Medical Open Frame Power Supplies



## Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.				
SNP-X127	+12V	0A	10A	11A	+11.9V~+12.1V	120mVpp	±0.5%	±1%
SNP-X128	+15V	0A	8A	8.8A	+14.25V~+15.25V	120mVpp	±0.5%	±1%
SNP-X125	+18V	0A	6.7A	7.4A	+17.1V~+18.9V	100mVpp	±0.5%	±1%
SNP-X129	+24V	0A	5A	5.5A	+23.8V~+24.2V	200mVpp	±0.5%	±1%
SNP-X12T	+48V	0A	2.5A	2.75A	+47.5V~+50.4V	200mVpp	±0.5%	±1%
SNP-X12H	+60V	0A	2.2A	2.4A	+57V~+63V	150mVpp	±0.5%	±1%

### Note:

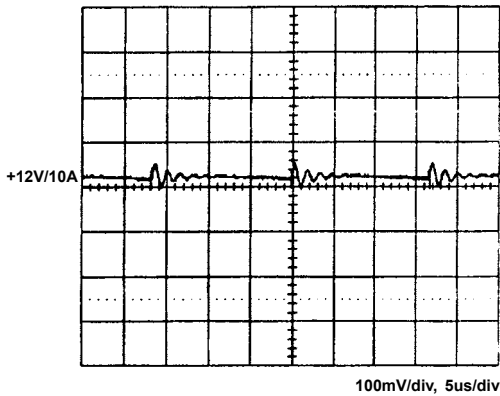
1. The total output current is rated load with free air convection and max. load with 18CFM of forced air flow over the unit.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor and a 47uF electrolytic capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
7. Efficiency is measured at rated load and nominal line.

\*\* This data sheet is only for models selection. For business, engineering specification by model must be used. JUL. 2013

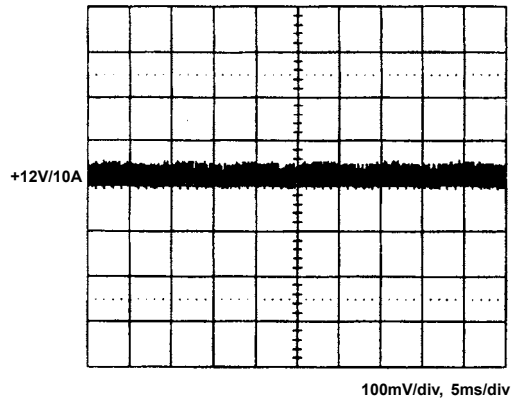


## Performance for SNP-X127 (input voltage is 115VAC, unless others specified):

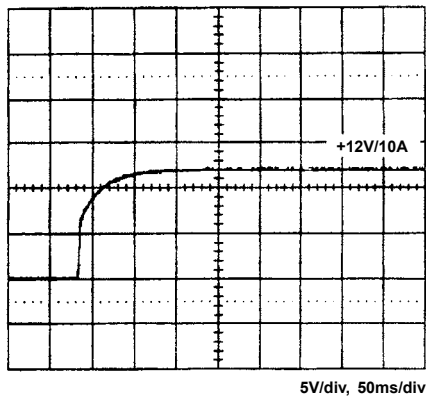
### 1. Switching frequency ripple



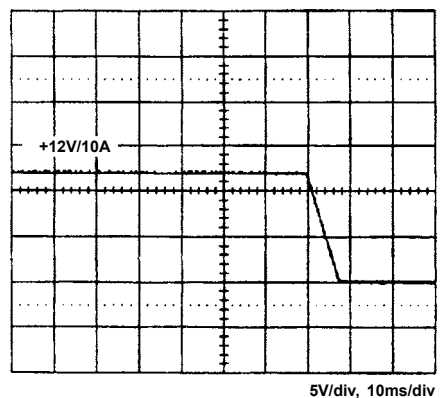
### 2. Line frequency ripple



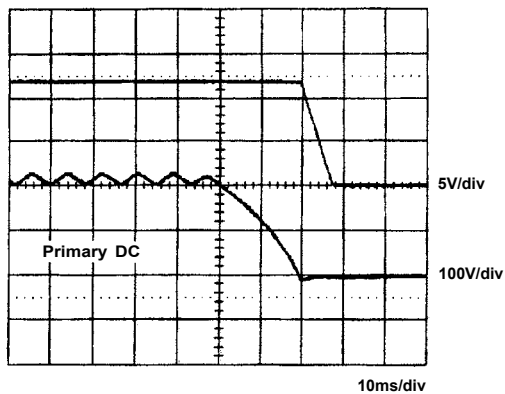
### 3. Output turn on wave form



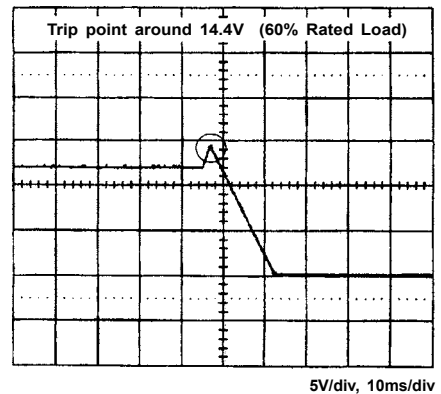
### 4. Output turn off wave form



### 5. Hold up time



### 6. Over voltage protection

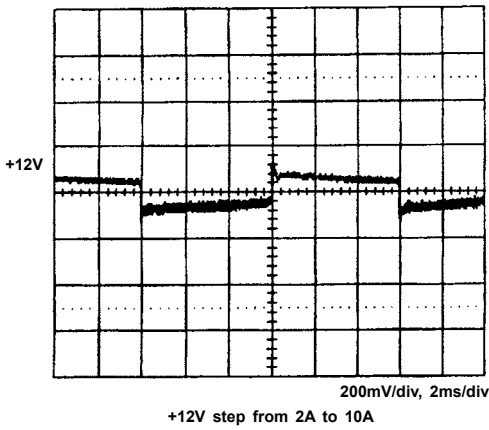


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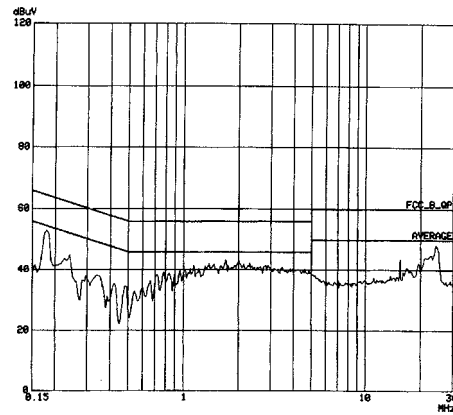
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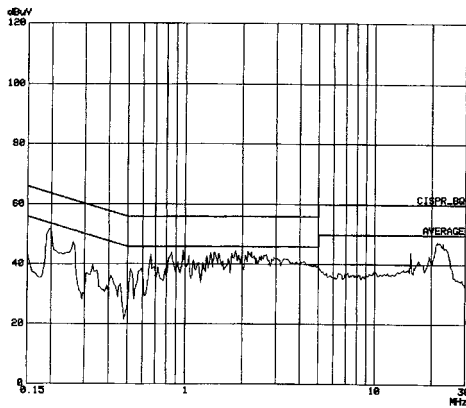
## 7. +12V step response



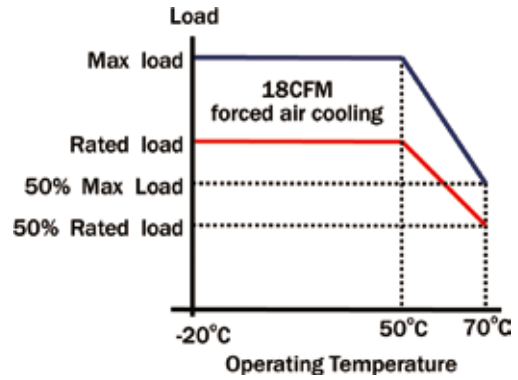
## 8. FCC B



## 9. EN 55022 B



## 10. Power derating curve



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