

**130 Watt Desk Top Switching Power Supplies for I.T.E.**

**Key Features:**

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Single and Dual Output Models
- Output (Factory Set) Voltages from 3VDC thru 55VDC
- Optional Output Connector
- Input Surge Current, Over Voltage and Over Load protection
- Output Voltage Protection (Crowbar Design)
- Power Factor Correction (PFC)
- Class I Insulation
- Mounting tab or desktop option



**Safety Approvals :**



**Electrical Characteristics:**

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	90		264	VAC
Input Frequency		47		63	Hz
Power Factor Correction	Io=Full load, Vin=230 VAC	0.95		1	
Output Power Range	Vin=90 to 264VAC	0		130	W
Output Voltage Range		See rating chart			V
Output Current Range		See rating chart			A
Input Current (Low Line)	Io=Full load, Vin=115VAC		1.7	3.2	A
Input Current (High Line)	Io=Full load, Vin=230VAC		0.7	1.7	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		15	30	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		30	60	A
Efficiency	Io=Full Load, Vin=230VAC		80	85	%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	10	%
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=110VAC	50			mS
Start Up Time	Io=Full Load, Vin=100VAC	0.3	1	2	S

**SORS-130 SERIES****130 Watts**

Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Safety Ground Leakage Current	Io=Full Load, Vin=240VAC		0.5	0.75	mA
Temperature Coefficient	All output	-0.04		0.04	%/°c
Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0		70	C
Storage Temperature		-40		85	C
Relative Humidity		5		95	%
Derate linearly from 100% load at 25 C to 50% load at 70 C					
Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242			VDC
Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2121			VDC
Isolation Resistance	Test Voltage=500VDC	50			M
EMI requirements for CISPR-22	Vin=220VAC	B			CLASS
Model Number	Output Voltage	Output Current	Total Regulation	Maximum Output Power	
SORS90-3S	3 ~ 5 VDC	30.00 ~ 18.00 A	7%	90W	
SORS115-5S	5 ~ 6 VDC	23.00 ~ 19.16 A	7%	115W	
SORS130-6S	6 ~ 8 VDC	21.60 ~ 16.25 A	7%	130W	
SORS130-9S	8 ~ 11 VDC	16.25 ~ 11.80 A	5%	130W	
SORS130-12S	11 ~ 13 VDC	11.80 ~ 10.00 A	5%	130W	
SORS130-15S	13 ~ 16 VDC	10.00 ~ 8.12 A	5%	130W	
SORS130-18S	16 ~ 21 VDC	8.12 ~ 6.19 A	5%	130W	
SORS130-24S	21 ~ 27 VDC	6.19 ~ 4.81 A	5%	130W	
SORS130-28S	27 ~ 33 VDC	4.81 ~ 3.93 A	5%	130W	
SORS130-36S	33 ~ 40 VDC	3.93 ~ 3.25 A	3%	130W	
SORS130-48S	40 ~ 50 VDC	3.25 ~ 2.60 A	3%	130W	
SORS130-50S	50 ~ 55 VDC	3.25 ~ 2.36 A	3%	130W	

## Dual Output Models

Model Number	Output #1	Output #2	Maximum Output Power
SORS90-3S12S	3.3V	+12 V	90W
SORS120-5S12S	+5V	+12V	120W
SORS110-5D	+5V	+12V	110W
SORS120-5S15S	+5V	+15V	120W
SORS120-5S24S	+5V	+24D	120W

**Mechanical Specifications:**

**Notes:**

1. **Dimensions are shown in mm.**
2. **Weight: 750~916gs approx.**
3. **Optional output connector**
4. **Options: Mounting Tab and Desk Top**

