

# **POWER SUPPLY LOAD TEST**

**MAKE:** ASTRON                      **MODEL:** SS-12                      **DATE:** 7-May-09

**CONT. RATING:** 10A    **INT. RATING:** 12A    **SERIAL:** 209030160

**AC MAINS FUSE:** 5A SB    **REMARKS:** SWITCH-MODE SUPPLY

<b>LOAD AMPS</b>	<b>OUTPUT VOLTS</b>	<b>OUTPUT WATTS</b>	<b>AC INPUT VOLTS</b>	<b>AC INPUT AMPS</b>	<b>AC INPUT WATTS</b>	<b>AC INPUT VA</b>	<b>AC INPUT PF</b>	<b>OVERALL EFFICIENCY</b>
<b>0.0</b>	13.92	0.0	120.3	0.11	7	13	0.53	0%
<b>1.0</b>	13.91	13.9	120.3	0.33	21	40	0.53	66%
<b>2.0</b>	13.89	27.8	120.0	0.59	38	71	0.54	73%
<b>3.0</b>	13.88	41.6	120.0	0.81	54	97	0.56	77%
<b>4.0</b>	13.87	55.5	120.1	1.04	69	125	0.55	80%
<b>5.0</b>	13.86	69.3	120.2	1.28	85	154	0.55	82%
<b>6.0</b>	13.85	83.1	120.1	1.52	101	183	0.55	82%
<b>7.0</b>	13.83	96.8	120.0	1.74	118	209	0.57	82%
<b>8.0</b>	13.82	110.6	120.0	1.97	133	236	0.56	83%
<b>9.0</b>	13.82	124.4	120.0	2.20	149	264	0.56	83%
<b>10.0</b>	13.80	138.0	119.9	2.43	166	291	0.57	83%
<b>11.0</b>	13.79	151.7	119.9	2.65	182	318	0.57	83%
<b>12.0</b>	13.78	165.4	119.6	2.89	199	346	0.58	83%
<b>13.0</b>	13.77	179.0	119.6	3.11	215	372	0.58	83%
<b>14.0</b>	13.76	192.6	119.6	3.33	232	398	0.58	83%
<b>15.0</b>	13.75	206.3	119.7	3.58	249	429	0.58	83%
<b>16.0</b>	13.73	219.7	119.4	3.82	265	456	0.58	83%
<b>17.0</b>	13.63	231.7	119.4	4.04	282	482	0.58	82%

**Note:** Output voltage collapsed at 17.6 amperes load.