

# XLS-5000S

## 5000 WATTS

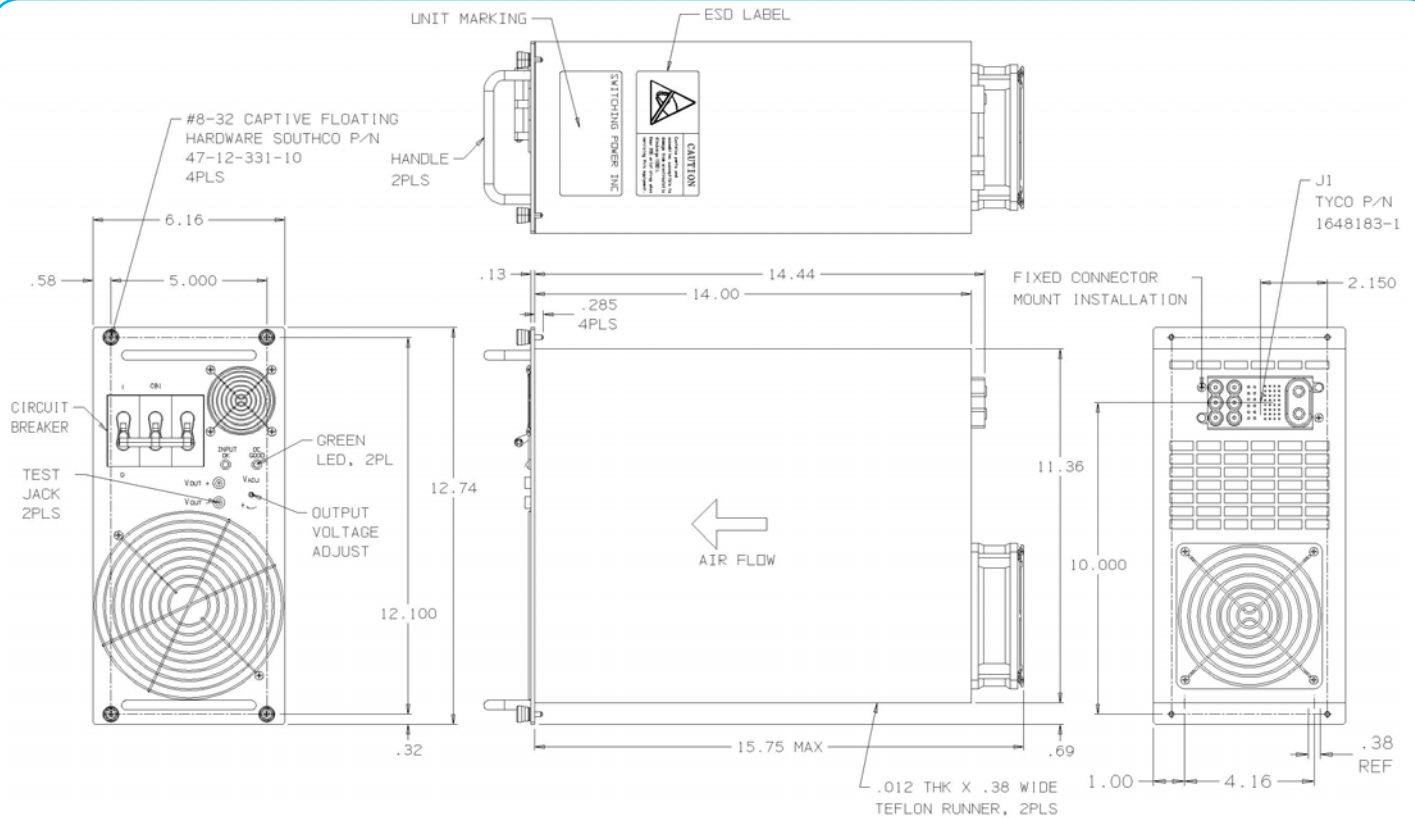
### Three Phase 380VAC Input



#### FEATURES:

- 5000 Watts in 6.16" x 11.36" x 15.75" Size!
- 3 Phase 380V/50Hz Input with Power Factor Correction Greater Than 0.93
- +50VDC/100A Output
- Wide Operating Temperature Range -40 to +65 deg C
- Easy Removal with ELCON Top-Drawer Connector
- Supply Synchronizable to External Clock
- Zero Wire Current Share Allows Modules to Share Within 10% of Each Other
- Output Test Points on Front Panel
- LED Display for Input & Output Status
- Ruggedized Mechanical Design to Withstand Harsh Environmental Conditions
- One Year Warranty
- Proudly Made in U.S.A.

# XLS-5000S



<b>Nominal Input Voltage Frequency</b>	380 VAC, 10A max, Three Phase. 47-63 Hz.
<b>Operational Input Voltage Range</b>	342-418 VAC Power Factor 0.95 Typical at Full Load.
<b>Inrush Current</b>	Less than 200 msec. 40 amperes @ 418 VAC.
<b>Circuit Breaker</b>	Located on front panel, 15A/600VAC rated, short delay
<b>Fusing</b>	(3 X 20 Ampere), 600 VAC, Very fast acting.
<b>Hold up time</b>	20msec minimum after loss of AC Input at full load and any input.
<b>Efficiency</b>	90% typical
<b>Turn on time</b>	1 sec max. from power up.
<b>Line and Load Regulation</b>	1% over AC input range and 0 to 100% load change.
<b>Minimum Load</b>	No minimum load required.
<b>Ripple &amp; Noise</b>	Through 20MHz 500mVpk-pk, with coaxial probe and 0.1µF/10µF capacitors at the connector.
<b>Transient Response</b>	Output maximum excursion of 5% for full loadstep. Recovery less than 500 µsec.
<b>Overshoot/Undershoot</b>	No turn-on or turn-off overshoot.
<b>Output Isolation</b>	Isolated from chassis ground, 50Vdc.
<b>Input/Output Isolation</b>	2200 VDC from input to both chassis/outputs. SELV construction.
<b>Reverse Voltage</b>	Protected against reverse voltage to supply current rating.
<b>Overvoltage Protection</b>	Shutdown at 130% of nominal Vout Recycle input power to reset.

<b>Overtemperature Protection</b>	Unit shuts down if overheated. Auto reset.
<b>Leakage Current</b>	5mA max at 380Vac.
<b>Current Limiting</b>	Output short circuit protected with FOLDBACK protection. Auto Recovery.
<b>Paralleling</b>	Two or more supplies can be operated in parallel and will share current to within 10% of each other.
<b>Enable</b>	Floating OPTO Input, Energize to turn on.
<b>Sync</b>	Synchronizable to external clock. Consult factory for more details.
<b>Output Setting</b>	Can be configured 43.0 to 53.0 Vdc.
<b>DC_OK Signal</b>	Floating OPTO output which goes high whenever the output fails, an over-temperature condition, an overvoltage shut down.
<b>Indicators</b>	Green LED indicating DC_OK. Green LED indicating INPUT OK.
<b>Cooling</b>	Forced air cooled, back to front design.
<b>Operating Temperature</b>	-40° C to +65° C operating temperature.
<b>Stability</b>	0.1% for 8 hrs. after 30 minute warm-up.
<b>Humidity</b>	Up to 100% condensing.
<b>Storage Temperature</b>	-40° C to +85° C
<b>I/O Connector</b>	ELCON Top Drawer
<b>Size</b>	6.16" x 11.36" x 15.75"
<b>Weight</b>	34 lbs.