



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

S-48HD

- .LOW COST, HIGH RELIABILITY
- .105°C OUTPUT CAPACITOR
- .INTERNATIONAL AC INPUT RANGE
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- .SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED
- .BUILT IN EMI FILTER, LOW RIPPLE NOISE
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST

MODEL	S-48HD
SPECIFICATION	
DC OUTPUT VOLTAGE	24V
OUTPUT V. TOLERANCE	±2%
OUTPUT RATED CURRENT	2A
OUTPUT CURRENT RANGE	0.1-2A
RIPPLE & NOISE	120mVp-p (24mVrms)
LINE REGULATION	±1%
LOAD REGULATION	±1%
DC OUTPUT MAX. POWER	48W
EFFICIENCY	77%
DC VOLTAGE ADJ.	-----
INPUT VOLTAGE RANGE	30~110VAC (30V 45% LOAD, 40V~48V 75% LOAD, 48V ABOVE 100% LOAD) 47~63Hz
AC CURRENT	3.5A/60V
INRUSH CURRENT	COLD START 25A/60V
LEAKAGE CURRENT	<1mA/110VAC
OVERLOAD PROTECTION	105%~150% TYPE:PULSE BY PULSE RECOVERY:AUTO
OVER VOLTAGE PROTECTION	26.4V~30V
OVER TEMP. PROTECTION	-----
TEMP. COEFFICIENT	±0.05% / °C (0~45°C)
SETUP, RISE, HOLD UP TIME	1000ms, 50ms, 10ms
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES
WITHSTAND VOLTAGE	I/P-O/P, I/P-FG, O/P-FG:0.5KVAC
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC > 100M Ohms
WORKING TEMP., HUMIDITY	-10°C~+45°C, 10%~90% RH
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 5%~95% RH
DIMENSION	85*85*25mm ABOVE COMPONENT SIDE
WEIGHT	0.25Kgs
SAFETY STANDARDS	-----
EMC STANDARDS	-----

- NOTE :
- 1.ALL PARAMETERS ARE SPECIFIED AT 60VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 - 2.TOLERANCE INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
 - 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 - 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 - 5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.