

LOW COST, HIGH RELIABILITY	.COMPACT SIZE, LIGHT WEIGHT			
.105°C OUTPUT CAPACITOR	.100% FULL LOAD BURNTEST			
.INTERNATIONAL AC INPUT RANGE	.BUILT IN EMI FILTER, LOW RIPPLE NOISE			
.HIGH EFFICIENCY, LOW WORKING TEMPERATURE				
.SOFTSTART CIRCUIT, LIMITING AC SURGE CURRENT	9001 CERTIFIED MANUFACTURER			
.SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED				

MODEL	S605	S6012	S6015	S6024
SPECIFICATION				
DC OUTPUT VOLTAGE	5V	12V	15V	24V
OUTPUT V. TOLERANCE	±2%	±1%	±1%	±1%
OUTPUT RATED CURRENT	12A	5A	4A	2.5A
OUTPUT CURRENT RANGE	0-12A	0-5A	0-4A	0-2.5A
RIPPLE & NOISE	120mVpp	120mVpp	150mVpp	150mVpp
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±1%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	60W	60W	60W	60W
EFFICIENCY	73%	76%	77%	79%
DC VOLTAGE ADJ.	+10;5%	±10%	±10%	±10%
INPUT VOLTAGE RANGE	85-264VAC/47-63Hz/120-370VDC			
AC CURRENT	2A/115V1A/230V			
INRUSH CURRENT	COLD START:30A/115V/60A/230V			
LEAKAGE CURRENT	<3.5mA/240VAC			
OVERLOAD PROTECTION	105%/150%TYPE:PULSING HICCUP SHUTDOWN: AUTO RECOVERY			
OVER VOLTAGE PROTECTION	115%/135%			
OVER TEMP. PROTECTION	-----			
TEMP. COEFFICIENT	±0.03%/°C (0-50°C)			
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 10ms / 115V/300ms, 50ms, 80ms / 230VAC			
VIBRATION	10-500Hz, 2Gmin./1cycle, PERIOD FOR 60min. EACH AXES			
WITHSTAND VOLTAGE	I/PO/P:3KVA/OPFG:1.5KVA/O/FG:0.5KVAC			
ISOLATION RESISTANCE	I/PO/P, I/FG, O/FG:500VDC / 100M Ohms			
WORKING TEMP., HUMIDITY	-10°C→+60°C(REFER TO OUTPUT DERATING CURVE)0%→95%RH			
STORAGE TEMP., HUMIDITY	-20°C→+85°C, 10%→95% RH			
DIMENSION	159*97*38mmCASE:901			
WEIGHT	0.55Kgs			
SAFETY STANDARDS	UL1012, TUV EN60950, IEC950, UL1950 APPROVED			
EMC STANDARDS	CISPR22 (EN55022), IEC283#, IEC555 VERIFICATION			

NOTE 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 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 0% TO 100% RATED LOAD.
 6.C2,3,6 MUST BE REMOVED.

20091003

BLOCK DIAGRAM

fosc : 50KHz

OUTPUT DERATING

STATIC CHARACTERISTICS

MODEL : S-60-24 Ta=25°C

DIMENSION (mm)

- ☒ CASE : 901
- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG
- ☒ PIN 4 : DC OUTPUT -V
- ☒ PIN 5 : DC OUTPUT +V