



# MEAN WELL

## SWITCHING POWER SUPPLY

### ISO-9001 CERTIFIED MANUFACTURER

## U65S SINGLE SERIES

.UNIVERSAL AC INPUT/FULL RANGE  
.IEC320-C14(3PIN INLET)  
.LED INDICATION FOR POWER ON  
.WITH AC ON-OFF SWITCH(OPTIONAL)  
.FULLY ENCLOSED PLASTIC CASE  
.100% FULL LOAD BURN-IN TEST

.OVER VOLTAGE PROTECTION  
.SHORT CIRCUIT PROTECTED  
.100% FULL LOAD BURN-IN TEST  
.3-48V OUTPUT(OPTIONAL)  
.APPROVALS:UL/CUL/TUV/CE  
.1YEAR WARRANTY

TYPE NO.	U65S105-yyy	U65S106-yyy	U65S107-yyy	U65S108-yyy	U65S109-yyy	U65S111-yyy
SPECIFICATION						
SAFETY MODEL NO.	SPU65-105	SPU65-106	SPU65-107	SPU65-108	SPU65-109	SPU65-111
DC OUTPUT VOLTAGE	12V	15V	18V	24V	27V	48V
OUTPUT V. TOLERANCE	±5%	±4%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT	6.66A	5.33A	4.44A	3.33A	2.96A	1.66A
OUTPUT CURRENT RANGE	0-6.66A	0-5.33A	0-4.44A	0-3.33A	0-2.96A	0-1.66A
RIPPLE & NOISE	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±4%	±3%	±3%	±3%	±3%
MAX. DC OUTPUT POWER	80W	80W	80W	80W	80W	80W
EFFICIENCY	75%	76%	77%	78%	80%	81%
DC VOLTAGE ADJ.	FIXED					
INPUT VOLTAGE RANGE	95-264VAC, 47-63Hz					
AC CURRENT	1.9A/230VAC					
INRUSH CURRENT	COLD START < 40A PEAK/230VAC					
LEAKAGE CURRENT	<3.5mA/240VAC					
OVERLOAD PROTECTION	HICCUP MODE; AUTO RECOVERY					
OVER VOLTAGE PROTECTION	110%-140% OF RATED OUTPUT VOLTAGE					
TEMP. COEFFICIENT	±0.03% / °C (0-50°C)					
SETUP,RISE,HOLD UP TIME	800ms, 50ms, 16ms AT FULL LOAD AND 230VAC					
VIBRATION	10-500Hz, 2G 3AXES 10min. / 1cycle ( 1 HOUR / EACH AXES )					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC FOR 1MINUTE					
ISOLATION RESISTANCE	I/P-O/P,I/P-FG: 100M Ohms min. @ 500VDC					
WORKING TEMP., HUMIDITY	0°C~+25°C @ 100% LOAD,40°C @ 60% LOAD, 20%-90% RH					
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%-95% RH					
DIMENSION	168*78.5*44.5mm (L*W*H)					
WEIGHT; Q'TY/CARTON	0.75Kgs; 20PCS/CARTON					
SAFETY STANDARDS	UL1950,TUV EN60950 APPROVED					
EMC STANDARDS	EN55022 class B, EN61000-4-2,3,4,5,6,8,11 VERIFICATION					
LENGTH OF OUTPUT CABLE	180cm OF SPT-1, 18AWG*2C					
PLUG OF DC OUTPUT	STANDARD PLUG P2J : 2.1¢*5.5¢*11mm CENTER POSITIVE yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR					

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC 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 0% TO 100% RATED LOAD.

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