SWITCHING POWER SUPPLY ISO-9001 CERTIFIED MANUFACTURER

DRP-240 SERIES

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 OVER TEMP. PROTECTED

.BUILD IN POWER FACTOR CORRECTOR .COMPACT SIZE, LIGHT WEIGHT .100% FULL LOAD BURN-IN TEST

BUILT IN EMI FILTER, LOW RIPPLE NOISE

.BUILT IN PFC CIRCUIT

.OVER TEMPERATURE PROTECTED



| MODEL SPECIFICATION | DRP-240-24 | DRP-240-48 | |
|---------------------------|---|---|--|
| DC OUTPUT VOLTAGE | 24V | 48V | |
| OUTPUT V. TOLERANCE | ±1% | ±1% | |
| OUTPUT RATED CURRENT | 10A | 5A | |
| OUTPUT CURRENT RANGE | 0-10A | 0-5A | |
| RIPPLE & NOISE | 80mVp-p | 150mVp-p | |
| LINE REGULATION | ±0.5% | ±0.5% | |
| LOAD REGULATION | ±1% | ±1% | |
| DC OUTPUT POWER | 240W | 240W | |
| EFFICIENCY | 84% | 85% | |
| DC VOLTAGE ADJ. | 24V~28V | 48V~53V | |
| INPUT VOLTAGE RANGE | 85~264VAC 47~63Hz; 120~370VDC | 85~264VAC 47~63Hz; 120~370VDC | |
| AC CURRENT | 3.5A/115V 1.8A/230V | 3.5A/115V 1.8A/230V | |
| POWER FACTOR | PF>0.95/230VAC, PF>0.98/115VAC | PF>0.95/230VAC, PF>0.98/115VAC | |
| INRUSH CURRENT | COLD START 30A/115V 50A/230V | COLD START 30A/115V 50A/230V | |
| LEAKAGE CURRENT | <3.5mA/240VAC | <3.5mA/240VAC | |
| OVERLOAD PROTECTION | 105% ~150% TYPE:CONSTANT CURRENT LIMI | 105% ~150% TYPE:CONSTANT CURRENT LIMITING RESET:AUTO RECOVERY | |
| OVER VOLTAGE PROTECTION | 30~36V | 54~60V | |
| OVER TEMP.PROTECTION | 100°C±5°C(TSW) TYPE:SHUT DOWN RESET: | 100°C±5°C(TSW) TYPE:SHUT DOWN RESET:AUTO RECOVERY | |
| TEMP. COEFFICIENT | ±0.03% / °C (0-50°C) | ±0.03% / °C (0-50°C) | |
| SETUP, RISE, HOLD UP TIME | 800ms;40ms; 20ms/230V,115V | 800ms;40ms; 20ms/230V,115V | |
| VIBRATION | 10~500Hz, 2G 10min./1cycle, PERIOD FOR 60mir | 10-500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES | |
| WITHSTAND VOLTAGE | I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC | I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC | |
| ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms | I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms | |
| WORKING TEMP., HUMIDITY | -10°C~+70°C(REFER TO OUTPUT DERATING C | -10°C~+70°C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH | |
| STORAGE TEMP., HUMIDITY | -20°C~+85°C, 10%~95% RH | -20°C-+85°C, 10%-95% RH | |
| DIMENSION | 125.5*125.2*100mm (W*H*D) | 125.5*125.2*100mm (W*H*D) | |
| WEIGHT | 1.1Kgs | 1.1Kgs | |
| SAFETY STANDARDS | TUV EN60950, UL508 APPROVED | TUV EN60950, UL508 APPROVED | |
| EMC STANDARDS | EN55022 CLASS B ,EN61000-4-2,3,4,5,6,8,11; ENV50204 ,EN61000-3-2,-3 ,EN50082-2 VERIFICATION | | |

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.

