| | PS-C480 S Specifications | S | Features: High efficiency 94% and low power dissipation 150% peak load capability Built-in active PFC function, PF>0.94 Protections: Short Circuit / Overload / Over Voltage / Overtemperature Cooling by free air convection Built-in constant current limiting circuit DIN rail mountable UL 508(industrial control equipment) approved EN61000-6-2(EN50082-2) industrial immunity level Built-in DC OK relay contact 100% full load burn-in test | | | | |
|--------------|--|--|---|--|--|--|--|
| OUTPUT | Cat. No. | PS-C48024 | • 3 year warra | PS-C48048 | | | |
| | DC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER PEAK CURRENT PEAK POWER | | ax. and the average | 48V 10A $0 \sim 10A$ 480W 15A e output power should not exceed the rate power 100mVa = 1 | | | |
| | RIPPLE & NOISE (max) VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE LINE REGULATION | 100mVp-p Ripple & noise are measured at 20N 24 ~ 28V ±1.2% Tolerance: includes set up tolerand ±0.5% | | 120mVp-p a 12 twisted pair-wire terminated with a 0.1μ F & 47μ F parallel capacitor. 48 ~ 55V ±1.0% d regulation. ±0.5% | | | |
| INPUT | LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) | ±1.0% 1500ms, 150ms / 230VA0 14ms / 230VAC at full loa | | ±1.0% Oms / 115VAC at full load | | | |
| PROTECTION | VOLTAGE RANGE FREQUENCY RANGE POWER FACTOR (Typ.) EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT | Derating may be needed under low $47 \sim 63 Hz$ | 115VAC at full load 230VAC | check the derating curve for more detail | | | |
| | OVERLOAD OVERVOLTAGE OVERTEMPERATURE | Normally works within 11 down overvoltage with au | to-recovery stant current limitir seconds Itage with auto-recovery on heat sink of po | wer switch) | | | |
| ENVIRONMENT | DC OK RELAY CONTACT RATINGS (max.) | 60VDC / 0.3A; 30VDC / 1A | - · · | | | | |
| | Working Temp. Working Humidity Storage Temp., Humidity Temp. Coefficient | $\begin{array}{l} -25 \sim +70^{\circ} C \; (\text{Refer to out} \\ \text{Installation clearances: 40mm on } \\ \text{permanently with full power. In ca.} \\ 20 \sim 95\% \; \text{RH non-conder} \\ -40 \sim +85^{\circ} C, \; 10 \sim 95\% \; \text{F} \\ \pm 0.03\% \; / \; ^{\circ} C \; (0 \sim 50^{\circ} C) \end{array}$ | put load derating c op, 20mm on the bottom se the adjacent device is nsing RH | surve) , 5mm on the left and right side are recommended when loaded a heat source, 15mm clearance is recommended. | | | |
| SAFETY & EMC | VIBRATION MOUNTING SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY | $I/P-O/P, I/P-FG, O/P-FG: \ge$ Compliance to EN55022 (Compliance to EN61000-3 | 2-6 1.5KVAC 0/P-F6 100M 0hms/500V/ CISPR22) Class B 3-2,-3 1-2,3,4,5,6,8,11; E | G: 0.5KVAC 0/P-DC 0K: 0.5KVAC DC (25°C; 70% RH) NV50204; EN55024; EN61000-6-2; (EN50082-2), | | | |
| OTHERS | MTBF Dimension Packing | re-confirmed that it still meets EM 112.9K hrs min. MIL-HE 85.5x125.2x128.5mm (W 1.6Kg; 8pcs / 13.8Kg / 0.9 | C directives. DBK-217K (25°C) xHxD) 9CUFT | stalled into a final equipment. The final equipment must be | | | |

Mechanical Specification

| | | | | | | | | H | | 128.5 | |
|----------|----------------------|----------|--------|-------------------|----------|-------|-------------------|---|-----|-------|---|
| | | | | | | 1 | DC OK | | d O | | |
| Terminal | Pin No. Assignment (| TB1) Ter | minal | Pin No. Assignmer | nt (TB2) | | | | / | | L |
| Pin No. | Assignment | Pi | in No. | Assignment | | 5 | | | | | |
| 1 | FG 🖨 | | 1,2 | DC OUTPUT +V | | 125.2 | | | Ø | | |
| 2 | AC/N | | 3,4 | DC OUTPUT -V | | | | | | | 4 |
| 3 | AC/L | | 5,6 | Relay Contact | | | O DCOK O*+VADJ | ' | \ | | |
| | | | 7,8 | NC | | | 3 5 - | | | | |
| | | | | | | | | | (| | Ľ |
| | | | | | | | 85.5 | | | | |

DC OK Relay Contact

-25

20 30

AMBIENT TEMPERATURE (°C)

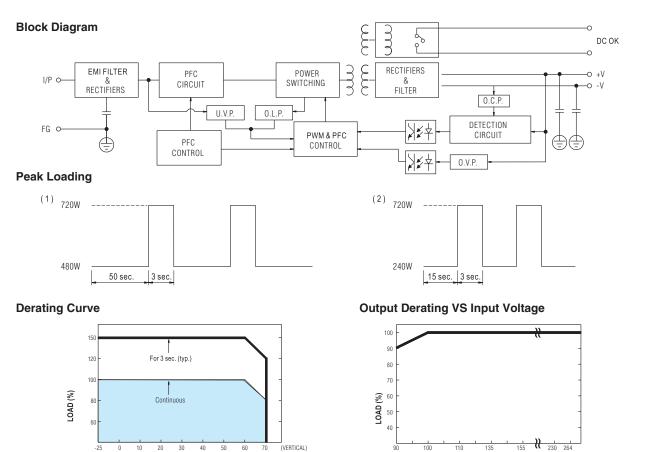
10

40 50 60

70

(VERTICAL)

| Contact Close | When the output voltage reaches the adjusted output voltage. |
|------------------------|--|
| Contact Open | When the output voltage drop below 90% output voltage. |
| Contact Ratings (max.) | 30V/1A resistive load |



Note: All dimensions are in millimeters, to convert to inches multiply by 0.03937.

INPUT VOLTAGE (V) 60Hz