	PS-C480 S	eries	Features: High efficiency 94% and low power dissipation	
Variation			 High efficiency 94% and low power dissipation 150% peak load capability 	
10000000	Specification	S	Built-in active PFC function, PF>0.94	
ANT STORE			Protections: Short Circuit / Overload / Over Voltage / Overtemperature	
Attach Corp.			Cooling by free air convection	
Call Int. PS.CANDIA PS.CANDIA	颵 , 🖳 🚫 CE C	BU	Built-in constant current limiting circuit	
	C USTED US	ENERGY SAVER	 DIN rail mountable UL 508(industrial control equipment) approved 	
			• EN61000-6-2(EN50082-2) industrial immunity level	
Contract of the second			Built-in DC OK relay contact	
			 100% full load burn-in test 3 year warranty 	
OUTPUT	Cat. No.	PS-C48024	PS-C48048	
	DC VOLTAGE	24V	48V	
	RATED CURRENT	20A	10A	
	CURRENT RANGE	0 ~ 20A	0 ~ 10A	
	RATED POWER	480W	480W	
	PEAK CURRENT	30A	15A	
	PEAK POWER	720W (3 sec.)	r max. and the average output power should not exceed the rate power	
	RIPPLE & NOISE (max)	100mVp-p	120mVp-p	
			at 20MHz of bandwidth by using a 12 twisted pair-wire terminated with a 0.1µF & 47µF parallel capacil	
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
	VOLTAGE TOLERANCE	±1.2%	±1.0%	
		Tolerance: includes set up to	lerance, line regulation and load regulation.	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±1.0%	±1.0%	
	SETUP, RISE TIME	1500ms, 150ms / 23		
INPUT	HOLD UP TIME (Typ.)	14ms / 230VAC at ful		
	VOLTAGE RANGE		7 ~ 370VDC	
	FREQUENCY RANGE	Derating may be needed under low input voltages, please check the derating curve for more detail $47 \sim 63$ Hz		
	POWER FACTOR (Typ.)	0.94 / 230VAC 0.99 / 115VAC at full load		
	EFFICIENCY (Typ.)	94%		
		After 30 minutes of burn-in		
	AC CURRENT (Typ.)		A / 230VAC	
PROTECTION	INRUSH CURRENT (Typ.) LEAKAGE CURRENT	40A / 115VAC 80A < 0.8 mA / 240VAC	A / 230VAC	
THOTEOHON	OVERLOAD		n 110 ~ 150% rated output power for more than 3 seconds and then shu	
	OVENEOND	down overvoltage wit		
		•	constant current limiting with auto-recovery within 2 seconds and shut	
		down overvoltage after		
	OVERVOLTAGE	29 ~ 33V	56 ~ 65V	
	OVERTEMPERATURE	Protection type: Shut down overvoltage with auto-recovery on re-power on to recovery $105^{\circ}C \pm 5^{\circ}C$ (TSW: detect on heat sink of power switch)		
A VIA VIA	OVENTEWIPENATONE		vervoltage, re-power automatically after temperature goes down	
ENVIRONMENT	DC OK RELAY CONTACT RATINGS (max.)		/ 1A; 30VAC / 0.5A resistive load	
	WORKING TEMP.	-25 \sim +70°C (Refer to output load derating curve)		
			n on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded	
	WORKING HUMIDITY		In case the adjacent device is a heat source, 15mm clearance is recommended.	
	STORAGE TEMP., HUMIDITY	20 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°		
	VIBRATION		n./1cycle, 60 min. each long X,Y, Z axes	
SAFETY & EMC	MOUNTING	Compliance to IEC600	3	
	SAFETY STANDARDS	UL508		
		EN60950-1 complian		
	WITHSTAND VOLTAGE	I/P-0/P: 3KVAC I/P-FG: 1.5KVAC 0/P-FG: 0.5KVAC 0/P-DC 0K: 0.5KVAC		
	ISOLATION RESISTANCE	, ,	G: ≥100M 0hms/500VDC (25°C; 70% RH)	
	EMI CONDUCTION & RADIATION HARMONIC CURRENT	Compliance to EN550		
	EMS IMMUNITY	Compliance to EN610 Compliance to EN610	00-3-2,-3 00-4-2,3,4,5,6,8,11; ENV50204; EN55024; EN61000-6-2; (EN50082-2),	
			dustry level; criteria A, SEMI F47, GL approved	
OTUEDO		The power supply is conside	red a component which will installed into a final equipment. The final equipment must be	
OTHERS		re-confirmed that it still mee		
	MTBF	112.9K hrs min. MI		
	DIMENSION PACKING	85.5x125.2x128.5mn 1.6Kg; 8pcs / 13.8Kg		

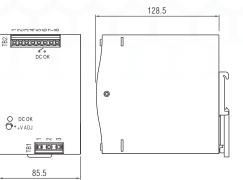
For the latest on Altech Power Supply specifications please visit www.altechcorp.com/power.



Mechanical Specification

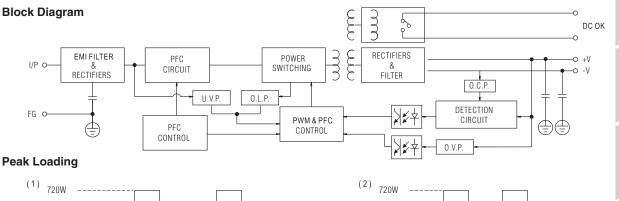
Terminal Pin No. Assignment (TB1)				
Pin No.	Assignment			
1	FG 🖶			
2	AC/N			
3	AC/L			

Terminal	Pin No. Assignment (TB2)	
Pin No.	Assignment	
1,2	DC OUTPUT +V	
3,4	DC OUTPUT -V	
5,6	Relay Contact	
7,8	NC	



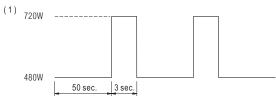
DC OK Relay Contact

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	

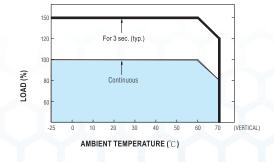


125.2

O DC OK



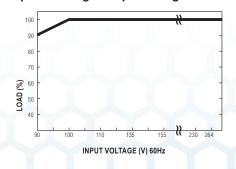
Derating Curve



Output Derating VS Input Voltage

15 sec. 3 sec.

240W



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

Altech Corp.® • 35 Royal Road • Flemington, NJ 08822-6000 • Phone (908)806-9400 • FAX (908)806-9490

Accessories

Appendix

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Altech: <u>PS-C48024</u> <u>PS-C48048</u>