		Features	:				
STATISTICS STATISTICS	P3-6480 3	• High eff	iciency 94% and low power dissipation				
ALL		• 150% p	eak load capability				
And the second second	Specification	• Built-in a	 Built-in active PFC function, PF>0.94 				
COLORDON .	opeemeater	Protection	ons: Short Circuit / Overload / Over Voltage /				
10 4 7 mil		Overten	nperature				
State States		Cooling	by free air convection				
Contract Contract		• Built-in	constant current limiting circuit				
and the second se		• DIN rail	mountable				
A CONTRACTOR OF A CONTRACTOR A CONTRACT	LISTED	• UL 508((industrial control equipment) approved				
		• EN6100	0-6-2(EN50082-2) industrial immunity level				
Contra da		• Built-in	DC OK relay contact				
		• 100% fu	Ill load burn-in test				
		• 3 year v	varrantv				
	Cot No	DC C49024	DC C49049				
OUTFOI	Gal. NU.	F3-040024	F 3-040040				
	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.)					
		3 seconds peak power max. and the av	rerage output power should not exceed the rate power				
	RIPPLE & NOISE (max)	100mVp-p	120mVp-p				
		Ripple & noise are measured at 20MHz of bandwidth by	y using a 12 twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor.				
	VOLTAGE AD.L BANGE	24 ~ 28V	48 ~ 55V				
	VOITAGE TOI FRANCE	+1 2%	+1 0%				
		Tolerance: includes set up tolerance, line regulation	and load regulation				
	LINE REGULATION	+0.5%	+0.5%				
		+1.0%	+1.0%				
		1500mc 150mc / 220\/AC 2000m	150 ms / 115 VAC at full load				
INDUT	HOLD LID TIME (Typ.)	14mc / 220VAC at full load	s, 130111s / 113VAG at full load				
INFOT							
	VOLTAGE RANGE	$90 \sim 264$ VAC 127 ~ 370 VDC					
		Derating may be needed under low input voltages, p	lease check the derating curve for more detail				
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	0.94 / 230VAC 0.99 / 115VAC at full	lload				
	EFFICIENCY (Typ.)	94%					
		After 30 minutes of burn-in					
	AC CURRENT (Typ.)	5A / 115VAC 2.5A / 230VAC					
	INRUSH CURRENT (Typ.)	40A / 115VAC 80A / 230VAC					
PROTECTION	LEAKAGE CURRENT	\leq 0.8 mA / 240VAC					
	OVERLOAD	Normally works within 110 ~ 150% rat	ed output power for more than 3 seconds and then shut				
		down overvoltage with auto-recovery					
		\geq 150% rated power, constant current	limiting with auto-recovery within 2 seconds and shut				
		down overvoltage after 2 seconds	5				
	OVERVOLTAGE	29 ~ 33V	56 ~ 65V				
		Protection type: Shut down overvoltage with auto-re-	covery on re-power on to recovery				
	OVERTEMPERATURE	$105^{\circ}C \pm 5^{\circ}C$ (TSW: detect on heat sink	of power switch)				
		Protection type: Shut down overvoltage re-power au	itomatically after temperature goes down				
ENVIRONMENT	DC OK RELAY CONTACT BATINGS (max.)	60VDC / 0.3A: 30VDC / 1A: 30VAC / 0.5	5A resistive load				
		$25 \rightarrow 70^{\circ}$ C (Pofer to output load dara	ting curve)				
	WORKING TEMF.	$-23 \sim +70$ C (Refer to output load deta	tilly culve)				
		instantation clearances: 40mm on top, 20mm on the	bollom, shim on the left and right side are recommended when loaded				
		20 05% PH pop condensing	vice is a near source, romm clearance is recommended.				
	STURAGE LEWP., HUWIDITY	$-40 \sim +65$ C, $10 \sim 95\%$ RH					
		$\pm 0.03\%$ / C (0 ~ 50 C)					
CALETY & ENTO	VIBRATION	$10 \sim 500$ Hz, 2G 10 min./ Tcycle, 60 min.	. each long X, Y, Z axes				
SAFEIT & EIVIC	MOUNTING	compliance to IEC60068-2-6					
	SAFETY STANDARDS	UL508					
		EN60950-1 compliant					
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC 0/P-FG: 0.5KVAC 0/P-DC 0K: 0.5KVAC					
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG: ≥100M 0hms/	500VDC (25°C; 70% RH)				
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class	ss B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,	11; ENV50204; EN55024; EN61000-6-2; (EN50082-2),				
		EN61204-3; heavy industry level; criter	ia A, SEMI F47, GL approved				
		The power supply is considered a component which	will installed into a final equipment. The final equipment must be				
OTHERS	I	re-confirmed that it still meets EMC directives.	· · ·				
and the second se	MTBF	112.9K hrs min. MIL-HDBK-217K (25	°C)				
	DIMENSION	85.5x125.2x128.5mm (WxHxD)					
	PACKING	1.6Kg; 8pcs / 13.8Kg / 0.9CUFT					
		All parameters NOT specially mentioned are measure	ed at 230V AC input, rated load and 25°C of ambient temperature.				
		,,,,,,,					

Mechanical Specification

								l-		128.5		
						1	DC OK		c O			
Terminal	Pin No. Assignme	nt (TB1)	Terminal	Pin No. Assignme	nt (TB2)				/			~
Pin No.	Assignment		Pin No.	Assignment		2						μ
1	FG 🖶	1	1,2	DC OUTPUT +V	1	125.			Ø			
2	AC/N	1	3,4	DC OUTPUT -V	1							6
3	AC/L		5,6	Relay Contact					\		ĺ	Π
			7,8	NC			3 5 1					
							12 13 13		d l		ċ	
												-
							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