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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Altech Corp.®

Altech Corp.

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Serving the Automation & Control Industry since 1984

Quality Endorsed Company

DIN Rail Power Supplies

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DIN Rail Power Supplies

Since 1984, Altech Corporation has grown to become a leading supplier of automation and industrial control components. Headquartered in Flemington, NJ, Altech has an experienced staff of engineering, manufacturing and sales personnel to provide the highest quality products with superior service. This is the Altech Commitment!

In response to a growing market for high power regulated Power Supplies, Altech introduced the new Din Rail mountable power supply line. They are reliable, cost effective, space economical and easy to install and maintain. They are able to handle any industrial process requirement. In addition, you do not need to oversize them; they are designed to work on 100% load capacity. The universal input, power factor correction and many approvals proves that Altech Power Supplies will function worldwide on a wide variety of applications. Wide operation temperature range, high efficiency and many protections make Altech Power supplies your best choice.

Our well trained technical experts welcome the opportunity to answer your technical questions and provide solutions to your automation and control needs. Give us a call or visit www.altechcorp.com.

Quality Commitment

Altech's control components meet diverse national and international standards such as UL, NEC, CSA, IEC, VDE and more. Altech provides superior customer service and delivery through Total Quality Management and Continuous Process Improvement. Altech is ISO 9001 approved. We perform these services with honesty and integrity and are committed to achieve these goals.



DIN Rail Power Supplies 🔊 🚇 🐏 🔇 CE 🛄



Selection Guide4-5





- 10W to 480W rated power
- Universal single phase input

PSA Flex Series (1 Phase)

- · Flex power, solid metal housing
- UL 508 listed
- 120W to 600W rated power
- · High efficiency with Boost Power
- Single phase input

PSB Flex Series (2 & 3 Phase)

- · Flex power , solid metal housing
- UL 508 listed
- 120W to 600W rated power
- High efficiency with Boost Power
- Two and Three phase input

PS-S Slim line Series



- DC OK contact
- 10W to 100W rated power
- Universal single phase input



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- · Low profile Design, plastic housing
- UL 60950-1 Recognized
- Isolation Class II
- 10W to 100W rated power
- Universal single phase input

PS Industrial Series

- · Robust Metal housing
- UL 508 listed
- Built in active PFC function
- 75W to 960W rated power
- Single and three phase universal input

PS-C and W Series

- · Narrow design, small metal housing
- UL 508 listed
- 150% pick load capacity
- 120W to 480W rated power
- Single and two phase wide input

CBI DC UPS System

- Fully automated battery care module
- Three charging modes
- 12, 24, 36 and 48V DC single outputs
- 110-230-277 / 230-400-500VAC input
- · System start from battery function

CB Battery Chargers

- Intelligent battery chargers
- Suitable for most common battery types
- · Adjustable charging current
- 2 VDC and 24VDC single output
- 110-220-277 VAC input

Accessories

- Redundancy diode module
- · UPS controller module
- Battery holders and enclosures
- · Ultra capacitor modules

FAQ	.200-203
Index	204
Terms & Conditions.	206













Selection Guide

Choose your product from a wide range of features and options, suitable for almost all applications.

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	Cat. No.		Rat	ed Curi	rent			ersal	ch e	allel	08	095 ⁰ ,	30	.0950	Clas	ot.	rt Circ	Hoad	Volto	Ter
	VDC	5	12	15	24	48	Jri	SN	60	۲	JY	JY	A	NE	0	SU	ONE	04	Ove	් ර්
	PSC-10xx	-	0.84A	0.67A	0.42A	-														
	PSC-20xx	-	1.7A	1.4A	1A	-														
pact	PSC-40xx	-	3.4A	2.7A	1.7A	0.85A														
Com	PSC-60xx	-	4A	5A	2.5A	1.25A														
ss 2	PSC-96xx	-	7.5A	6.4A	4A	2A														
Clas	PSC-151xx	-	-	-	6.3A	3.2A														
Sc	PSC-241xx	-	-	-	10A	5A														
	PSC-481xx	-	-	-	20A	10A														
	PSC-RM20	-	-	-	20A	-														
	PSA-120xx	-	-	-	5A	-														
HASE	PSA-180xx	_	-	-	7.5A	-														
ex NGLE	PSA-360xx	-	-	-	14A	-														
SB FI SII	PSA-600xx	-	-	-	25A	-														
ASE	PSB-120xx	_	-	_	5A	_														
PSA E) PH	PSB-180xx	_	_	-	7.5A	_														
(THRI	PSB-360xx	_	-	-	14A	-														
TWO	PSB-600xx	-	-	-	25A	-														
								~		\sim			/		\sim					
	PS-S10xx	2A	0.84A	0.67A	0.42A	-														
aine ASE	PS-S20xx	ЗA	1.67A	1.34A	1	-														
Slin E PHA	PS-S40xx	6A	3.33A	-	1.7A	0.83A														
S-S-S	PS-S60xx	10A	5A	-	2.5A	1.25A														
	PS-S100xx	-	7.5A	-	4A	2A														
X				\sim			\leq													
	PS-15xx	2.4A	1.25A	1A	0.63A	-														
ofile \SE	PS-30xx	ЗA	2A	2A	1.5A	-														
w Pr	PS-45xx	5A	3.5A	2.8A	2A	-														
S Lo	PS-60xx	6.5A	4.5A	4A	2.5A	-														
۵.	PS-100xx	-	7.5A	6.5A	4.2A	-														

Selection Guide



Choose your product from a wide range of features and options, suitable for almost all applications.

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	Cat. No.		Out	put Volta	age			ersal	in se		200	2050	STOR	0950	Class	st.	* Cito	Noad	Volta	Tenn
	VDC	5	12	15	24	48	Unit	SW	~ P at	° JV	े अ ⁄	<u>ئ</u>) (J)	- AFF	, ₀ ,	She	, One	° 04	one one	`C₿
	PS-75xx	-	6.3A	-	3.2A	1.6A														
Ж	PS-120xx	-	10A	-	5A	2.5A														
E PHA	PSH-120xx	-	-	-	5A	2.5A														
I SINGLE	PSP-240xx	-	-	-	10A	5A														
stria S	PSP-480xx	-	-	-	20A	10A														
Indu	PSP-480Sxx	-	-	-	20A	10A														
S	PST-240xx	-	-	-	10A	5A														
PHASI	PST-480xx	_	-	-	20A	10A														
HREE	PST-960xx	_	-	-	40A	20A														
μ	PST-960Pxx	_	-	-	40A	20A														
							_													
	PS-C120xx	_	10A	_	5A	2.5A														
) PHASE	PS-C240xx	_	_	_	10A	5A					┢									
usinç NGLE I	PSH-C480xx	_	-	_	20A	10A														
t Hou SII	PSP-C480Pxx	_	_	_	20A	10A														
npac	PSW-120xx		10A		5A	2.5A														
Con	PSW-240xx	_	-	_	10A	5A					┢									
WIDE	PSW-480Pxx	_	_	_	20	10														
		\geq		\sim																
	CBI12xx	_	3-25A	_	_	_				<u> </u>	<u> </u>									
S	CBI24xx	_	_	_	3-20A	_					\vdash									
C-U	CBI48xx	_	_	_	_	5-10A														
Δ	CBI280 xx		12V/15A	24V/10A	36V/7A	48V/5A														
y a	0040		MULTI-V	OLTAGE	MULTI-V	OLTAGE														
atter ìarge	CB12XX	_	3-35A	_	-	-														
άġ	CB24XX	_	-	-	3-20A	_														
	CB12245A	_	6 A		5 A	-														
ces.	PS-RDN			21-28V																
Ac	PS-UPS			21-28V	~~~															
Th	ree Phase Input			220V	INPUT (ONLY						W	ide F	lange	e Inp	ut				
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ALTECH's Compact DIN rail switching power supply, PSC Series designed for the fast growing demand of DIN rail applications. These 10W to 480W models are enclosed with fully isolated plastic or metal case to prevent users from hazardous shock. The design complies with the compact requirements that the precious space on the industrial rail can be preserved effectively. Featuring up to 94% of efficiency, this series is cooled only by free air convection up to 70°C that significantly increase the reliability and lifetime of the power supply. Another important feature of PSC Series is its low power consumption (<0.75W) This unique characteristic can significantly expand the application of PSC series beyond just heavy industrial field, but can also be implied to dotcom or IT applications that require green power to save the energy and to obey the anticipated government laws in the near future!

Short circuit protection, overload protection, over voltage protection, and the DC OK signal for monitoring the status of power supply are standard functions for the PSC Series. Typical applications include factory automation, process control, electro-mechanical industry, dotcom and IT.

- Input voltage range:
- AC inrush current (max): Cold start:
- DC adjustment range:
- Overload protection:
- Over-voltage protection:
- Other protection:
- Setup, rise, time (max):
- Withstand voltage:
- Working temperature:
- Safety standards:
- EMC standards:

Military Standard

Vibration

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- 85-264V AC; 120-370V DC 20A at 115V AC; 40A at 230V AC ±10% rated output voltage 105% rated output power 115%-150% rated output voltage Brown out protection 500ms. 30ms/230V AC 1000ms, 30ms/115V AC, at full load I/P-0/P: 3KV AC, I/P-FG:1.5KV AC, 0/P-FG:0.5KV AC -20 to +70°C (-4° to +158°F), refer to output de-rating curve UL508 listed, UL1310 recognized, TUV approved EN60950-1 compliant EN55022 class B EN61000-4-2,3,4,5,6,8,11 ENV50204; EN55024; EN61000-6-1; EN61204-3; Light Industry Level criteria A MIL-HDBK-217F withstands 2G test
- Built in remote ON/OFF function (metal case only)

Features:

- Universal AC input/Full range
- Protections: Short circuit / Overload / Overvoltage
- Cooling by free air convection
- · DIN rail mountable
- UL1310
- NEC class 2 / LPS compliant (12V,24V,48V only)
- No load power consumption <0.75W
- LED indicator for power on
- 100% full load burn-in test
- · DC OK relay contact
- 3 year warranty









10W Single Output Industrial DIN Rail Power Supply

Cat. No.	Out V DC	put A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-1012	12V DC	0.84A	±1%	100 mVp-p	81%	
PSC-1015	15V DC	0.67A	±1%	100 mVp-p	81%	
PSC-1024	24V DC	0.42A	±1%	120 mVp-p	81%	

20W Single Output Industrial DIN Rail Power Supply

Cat. No.	Out	put	Tol.	Ripple &	Efficiency	NOTES
	V DC	Α	%	Noise		
PSC-2012	12V DC	1.7A	±1%	100 mVp-p	83%	
PSC-2015	15V DC	1.4A	±1%	100 mVp-p	85%	
PSC-2024	24V DC	1A	±1%	120 mVp-p	86%	

40W Single Output Industrial DIN Rail Power Supply

Cat. No.	Outr V DC	out A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-4012	12V DC	3.4A	±1%	100 mVp-p	84%	
PSC-4015	15V DC	2.7A	±1%	100 mVp-p	84%	
PSC-4024	24V DC	1.7A	±1%	120 mVp-p	84%	
PSC-4048	48V DC	0.85A	±1%	180 mVp-p	85%	

60W Single Output Industrial DIN Rail Power Supply

Cat. No.	Out V DC	put A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-6012	12V DC	5A	±1%	100 mVp-p	86%	
PSC-6015	15V DC	4A	±1%	100 mVp-p	87%	
PSC-6024	24V DC	2.5A	±1%	120 mVp-p	87%	
PSC-6048	48V DC	1.25A	±1%	180 mVp-p	88%	

96W Single Output Industrial DIN Rail Power Supply

Cat. No.	Outp V DC	out A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-9612*	12V DC	7.5A	±1%	180 mVp-p	87%	
PSC-9615*	15V DC	6.4A	±1%	180 mVp-p	87%	
PSC-9624	24V DC	4A	±1%	180 mVp-p	88%	
PSC-9648	48V DC	2A	±1%	250 mVp-p	87%	

*Not included in UL file E361915











SPECIFICATIONS

PSC-10 Series



PSC-20 Series



PSC-40 Series



PSC-60 Series





Terminal Pin. No Assign. (TB1)

	Pin No.	Assignment
	1	FG⊜
Γ	2	AC/N
Γ	3	AC/L
_		

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
4	DC OUTPUT +V
5	DC OUTPUT -V
6	DC OK SIGNAL

Universal Input: 88-264V AC, 124-370V DC full range; 0.23A @ 110V AC; 0.17A @ 230V AC

Connection: Input - 2 poles, Output - 2 poles, single screw terminal Size (WxHxD): 23x90x99mm (0.9x3.54x3.94 inches) Packaging: 1/box; 0.29lbs / 0.13Kg

Terminal Pin. No Assign. (TB1)

Pin No.	Assignment
1	FG 🖶
2	AC/N
3	AC/L

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
4	DC OUTPUT +V
5	DC OUTPUT -V
6	DC OK SIGNAL

Universal Input: 88-264V AC, 124-370V DC full range;

0.45A @ 110V AC; 0.32A @ 230V AC Connection: Input - 2 poles, Output - 2 poles, single screw terminal Size (WxHxD): 23x90x99mm (0.9x3.54x3.94 inches)

Packaging: 1/box; 0.32lbs / 0.14Kg

Terminal Pin. No Assign. (TB1)

Pin No.	Assignment
1	FG⊕
2	AC/N
3	AC/L

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
1/2	DC OUTPUT +V
3/4	DC OUTPUT -V
5/6	DC OK Relay Contact

Universal Input: 88-264V AC, 124-370V DC full range; 0.8A @ 115V AC, 0.4A @ 230V AC

Connection: Input - 2 poles, Output - 2 poles, double screw terminal Size (WxHxD): 40x90x99mm (1.57x3.54x3.94 inches) Packaging: 1/box; 0.63lbs / 0.28Kg

Terminal Pin. No Assign. (TB1)

Pin No.	Assignment
1	FG⊕
2	AC/N
3	AC/L

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
1/2	DC OUTPUT +V
3/4	DC OUTPUT -V
5/6	DC OK Relay Contact

Universal Input: 88-264V AC, 124-370V DC full range; 1.3A @ 115V AC, 0.6A @ 230V AC

Connection: Input - 2 poles, Output - 2 poles, double screw terminal Size (WxHxD): 40x90x99mm (1.57x3.54x3.94 inches) Packaging: 1/box; 0.67lbs / 0.3Kg

Terminal Pin. No Assign. (TB1)

Pin No.	Assignment
1	FG⊕
2	AC/N
3	AC/L

Terminal Pin. No Assign. (TB2)

Pin No.	Assignment
1/2	DC OUTPUT +V
3/4	DC OUTPUT -V
5/6	DC OK Relay Contact

Universal Input: 88-264V AC, 124-370V DC full range; 1.1A @ 115V AC, 0.55A @ 230V AC

Connection: Input - 2 poles, Output - 2 poles, double screw terminal Size (WxHxD): 55x90x99mm (2.17x3.54x3.94 inches) Packaging: 1/box; 0.9lbs / 0.4Kg

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Features:

- Universal AC input (88-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Brown-out protection •
- Installed on DIN rail TS35 / 7.5 or 15 ٠
- True DC OK signal output ٠
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- UL1310 Class 2 Power unit / LPS pass
- UL508 (Industrial control equipment) listed

OUTPUT	Cat. No.	PSC-1012	PSC-1015	PSC-1024			
	DC VOLTAGE	12V	15V	24V			
	RATED CURRENT	0.84A	0.67A	0.42A			
	CURRENT RANGE	0~0.84A	0~0.67A	0~0.42A			
	BATED POWER	10.08W	10.05W	10.08W			
	RIPPI F & NOISE (max)	100mVn-n	100mVn-n	120mVn-n			
		Bipple & noise are measured at 20MHz of bandy	vidth by using a 12" twisted pair-wire termin	ated with a 0 1µE & 47µE parallel capacitor			
	VOLTAGE AD.L BANGE	$10.8 \times 13.2 \text{V}$					
		+1.0%	+1.0%	+1.0%			
	VOEINGE FOEEINMOE	Tolerance: includes set up tolerance line requ		1.070			
	LINE REGULATION	+1.0% $+1.0%$ $+1.0%$					
		+1.0%	+1.0%	+1.0%			
	SETUP BISE TIME	< 800 ms < 100 ms/230 V AC at fu		1.070			
INPUT	HOLD UP TIME (Typ.)	$> 32 \text{ms} / 230 \text{VAC} > 16 \text{ms} / 115^{\circ}$	/ AC at full load				
		88V~264VAC: 124V~370VDC					
		Derating may be needed under low input volta	ages. Please check the derating curve for	more details.			
	FREQUENCY RANGE	47~63Hz	-gggg				
	EFEICIENCY (Typ.)	81%	81%	81%			
	AC CUBBENT (Typ.)	0.23A/115VAC: 0.17A/230VAC	1	1			
	INBUSH CUBBENT (Typ.)	15A / 115V AC: 30A / 230V AC					
PROTECTION	I FAKAGE CUBBENT	< 1mA/ 230VAC					
		> 102% rated output power					
		Protection type: Constant current limiting, recovers automatically after fault condition is removed					
	OVERVOLTAGE PROTECTION	115%~150% rated output voltage	,,				
		Protection type: atch-off mode					
	OVER TEMPERATURE PROTECTION	Power supply shut down at 70°C c	onstant current limiting / output	t voltage goes to 0:			
ENVIRONMENT		re-power on to recover	eneralit eurone inning / eurou				
	WORKING TEMP.	-20 ~ +70°C (Refer to output load	derating curve)				
	WORKING HUMIDITY	$20 \sim 90\%$ RH non-condensing					
	STORAGE TEMP. / HUMIDITY	-40 ~ +85°C: 10 ~ 95% BH					
	TEMP. COFFFICIENT	+0.03% / °C (0 ~ 50°C)					
SAFETY & EMC	VIBRATION	$10 \sim 500$ Hz. 2G 10min. / 1cvcle.	60 min. each long X.Y. Z axes				
				at			
		ULJUO, TUV LINUU9JU-1.2000+A1	: 1 5K/AC (2121DC) 1 minute	IL			
		I/P-U/P: 3KVAU (4242DU) I/P-FG: 1.3KVAU (2121DU) 1 MIMULE					
		I/P-U/P, I/P-FG, U/P-FG: 100W 0111	IS/500VDC				
	EMI CONDUCTION & RADIATION	EN55022:2006+A1:2007 Glass B	000 0 0.0000				
		ENG1004 2:0000 ENEE004:1000	000-3-3:2008	mulaval anitania A			
		EN61204-3:2000, EN55024:1998-	HAT:2001+A2:2003 IIght Indust	ry level, criteria A			
OUTPUT		that it still meets EMC directives.	which will installed into a final equipmen	. The final equipment must be re-commed			
	DC 0K Signal	Open collector, Max: 40mA					
	MTBF	562 7K hrs MII -HDBK-217K					
	DIMENSION	23x90x99 mm (WxHxD)					
	PACKING	0.13Kg/48 pcs / 7.44Kg					
	CONNECTION	I/P 3 notes O/P 3 notes screw DIA	I terminal				
	COOLING	Free air convection					
		All parameters NOT specially mentioned are a	ageurad at 2201/ AC input rated load and	25°C of ambient temperature			
	1	An parameters NOT specially mentioned are n	ieasureu al 2300 AG input, rated 10a0 and	1 20 0 or amplent temperature.			

PSC-10 Series









Derating Curve











Features:

- Universal AC input (88-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Brown-out protection
- Installed on DIN rail TS35 / 7.5 or 15
- True DC OK signal output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- UL1310 Class 2 Power unit / LPS pass
- UL508 (Industrial control equipment) listed

~		-	

OUTPUT	Cat. No.	PSC-2012	PSC-2015	PSC-2024		
	DC VOLTAGE	12V	15V	24V		
	RATED CURRENT	1.7A	1.4A	1A		
	CURRENT RANGE	0~1.7A	0~1.4A	0~1A		
	BATED POWEB	20 4W	21W	24W		
		100m\/n n	100m\/n n	120m\/p p		
	hiffle & NOISE (IIIax)	Dipple 8 pairs are measured at 20M	IOUIIIvp-p	1201119P-P		
			12 5 16 5V	The terminated with a 0.1 μ F & 47 μ F parallel capacitor		
		10.0~13.2V	13.3~10.5V	21.0~20.4V		
	VULIAGE TULERANCE	±1.0%	±1.0%	±1.0%		
		Iolerance: includes set up tolerand	ce, line regulation and load regulation.	1.0%		
		±1.0%	±1.0%	±1.0%		
	LOAD REGULATION	±1.0%	±1.0%	±1.0%		
INIDUT	SETUP, RISE TIME	< 800ms, < 100ms/230V	AC at full load			
INPUT	HOLD UP TIME (Typ.)	> 32ms / 230V AC; > 16r	ns / 115V AC at full load			
	VOLTAGE RANGE	88V~264VAC; 124V~370	/DC			
		Derating may be needed under low	v input voltages. Please check the derating o	curve for more details.		
	FREQUENCY RANGE	47~63Hz				
	EFFICIENCY (Typ.)	83%	85%	86%		
	AC CURRENT (Typ.)	0.45A/115VAC; 0.32A/230	OVAC			
	INRUSH CURRENT (Typ.)	20A / 115V AC; 40A / 230	IV AC			
PROTECTION	LEAKAGE CURRENT	< 1mA/ 230VAC				
	ΟΛΕΒΙ ΟΦΟ ΡΒΟΤΕΩΤΙΟΝ	> 105% rated output nower				
		Protection type: Constant current li	imiting, recovers automatically after fault cor	adition is removed		
		115% 150% rated output	t voltago	lulion is removed.		
	OVERVOLIAGE PROTECTION	115 //~ 150 // Taleu ouput voltage				
		Protection type: Latch-off mode.				
	OVER TEMPERATURE PROTECTION	Power supply snut down a	at 70 C constant current limiting /	output voltage goes to U;		
ENVIRUNIVIENT		re-power on to recover				
	WORKING TEMP.	-20 ~ +70°C (Refer to out	put load derating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH				
	TEMP. COEFFICIENT	$\pm 0.03\%$ / °C (0 ~ 50°C)				
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min. /	1cycle, 60 min. each long X,Y, Z	axes		
	SAFETY STANDARDS	111 508 THV EN60950-1-2	006+411 UI 1310 NEC class 2 cc	ompliant		
		1/2 0/2 4242DC 1/2 EC 2121DC 1 minuto				
			Close B			
		EN35022:2006+A1:2007				
		EN61000-3-2:2006 Class	A, EN61000-3-3:2008			
	EMS IMMUNITY	EN61204-3:2000, EN5502	24:1998+A1:2001+A2:2003 light	industry level, criteria A		
ΟΠΤΡΠΤ		The power supply is considered a that it still meets EMC directives	component which will installed into a final e	quipment. The final equipment must be re-confirmed		
001101			•			
	DC OK Signal	Open collector. Max: 40m/	A			
	MIBE	120.4K HRS MIL-HDBK-217 (2	25°C) 131.3K HRS MIL-HDBK-2	17 (25°C) 125.9K HRS MIL-HDBK-217 (25°C)		
	DIMENSION	23x90x99 mm (WxHxD)				
	PACKING	0.14Kg/48 pcs./7.92Kg				
	CONNECTION	I/P 3 poles, O/P: 3 poles screw DIN terminal				
	COOLING	Free air convection				
		All parameters NOT specially ment	tioned are measured at 230V AC input, rated	load and 25°C of ambient temperature.		
		-				

PSC-20 Series

Mechanical Specification



Terminal Pin. No Assign. (TB2)				
Pin No. Assignment				
4	DC OUTPUT +V			
5	DC OUTPUT -V			
6	DC OK SIGNAL			





Application of DC OK Active Signal

(a)5V signal

DC OK ⊶

V-

(b)LED (c)Relay DC OK • DС ОК ⊶ Model R Model R Š R Š Β 12V ≥1.5KΩ 12V ≥**2.4K**Ω Relay 15V ≥**2K**Ω 15V \geq 3K Ω ☆ 5.1V 24V ≥**4.7K**Ω 24V ≥**3.9K** Ω V- ⊶ V-

[-[Model	R
	12V	\geq 700 Ω
3 ···	15V	\geq 700 Ω
	24V	≥1.2KΩ

Block Diagram







Features:

- Universal AC input (88-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Brown-out protection
- Installed on DIN rail TS35 / 7.5 or 15
- True DC OK signal output
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstands 2G vibration test
- High efficiency, long life and high reliability
- 3 year warranty
- UL1310 Class 2 Power unit / LPS pass
- UL508 (Industrial control equipment) listed

OUTPUT	Cat. No.	PSC-4012	PSC-4015	PSC-4024	PSC-4048	
	DC VOLTAGE RATED CURRENT CUBBENT BANGE	12V 3.4A 0 ~ 3.4A	15V 2.7A 0 ~ 2 7A	24V 1.7A 0 ~ 1.7A	48V 0.85A 0 ~ 0.85A	
	RATED POWER	40.8W	40.5W	40.8W	40.8W	
	hiffel a noise (max)	Ripple & noise are measured at 20	DMHz of bandwidth by using a 12" tw	isted pair-wire terminated with a 0.1	μF & 47μF parallel capacitor	
	VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE	10.8 ~ 13.2V ±1.0%	13.5 ~ 16.5V ±1.0%	21.6 ~ 26.4V ±1.0%	43.2 ~ 52.8V ±1.0%	
ΙΝΙΡΙ ΙΤ	LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.)	tolerance: includes set up tolera ±1.0% ±1.0% < 800ms, < 50ms / 230 > 32ms / 230VAC; >16r	Ince, line regulation and load regula $\pm 1.0\%$ $\pm 1.0\%$ IVAC at full load ns / 115VAC at full load	tton. ±1.0% ±1.0%	±1.0% ±1.0%	
	VOLTAGE RANGE	88 ~ 264VAC; 124 ~ 37 Derating may be needed under I	OVDC low input voltages. Please check the	e derating curve for more details.		
	FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT	47~63Hz 84% 0.8 A / 115VAC; 0.4A / 2 COLD START 30A / 115V < 1mA/ 230VAC	84% 230VAC /AC; 60A / 230VAC	84%	85%	
PROTECTION	OVERLOAD PROTECTION	> 105% rated output power				
	OVERVOLTAGE PROTECTION OVER TEMPERATURE PROTECTION	Protection type: Constant current limiting, recovers automatically after fault condition is removed. 115% ~ 150% rated output voltage Protection type: latch-off mode Power supply shut down at 70°C constant current limiting / output voltage goes to 0:				
		re-power on to recover				
	Working Temp. Working Humidity Storage Temp. / Humidity Temp. Coefficient Vibration	-20 ~ +70°C (Refer to or 20 ~ 90% RH non-cond -40 ~ +85°C; 10 ~ 95% ±0.03% / °C (0 ~ 50°C) 10 ~ 500Hz. 2G 10min.	utput load derating curve) ensing ; RH / 1cvcle, 60 min, each lon	io X.Y. Z axes		
SAFETY & EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY	UL508, TUV EN60950-1:2006+A11, UL1310 NEC class 2 compliant I/P-0/P: 4242DC I/P-FG: 2121DC 1 minute I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms/500VDC EN55022: 2006 Class B EN61000-3-2: 2006 Class A, EN61000-3-3: 1995+A1: 2001+A2: 2005 EN61204-3:2000, EN55024:1998+A1:2001+A2:2003 light industry level, criteria A The power supply is considered a component which will installed into a final equipment. The final equipment must be re-conf that it still meets EMC directives.				
	DC OK Signal MTBF DIMENSION PACKING CONNECTION COOLING	Relay contact (30VDC / 947.2K hrs MIL-HDBK 40x90x99 mm (WxHxD) 0.28Kg/27 pcs./8.76Kg I/P 3 poles, 0/P: 6 poles Free air convection All narmeters NOT specially me	1A, 120VAC / 1A) -217K screw DIN terminal	innut rated load and 25°C of ambi	ent temnerature	

PSC-40 Series

Mechanical Specification



Block Diagram



DC OK Relay Contact

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

Derating Curve









Features:

- Universal AC input (88-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Brown-out protection •
- Installed on DIN rail TS35 / 7.5 or 15 ٠
- True DC OK signal output •
- All wiring 105°C long life electrolytic capacitors •
- High operation temperature up to 70°C
- Withstands 2G vibration test ٠
- High efficiency, long life and high reliability •
- 3 year warranty
- UL1310 Class 2 Power unit / LPS pass •
- UL508 (Industrial control equipment) listed

OUTPUT	Cat. No.	PSC-6012	PSC-6015	PSC-6024	PSC-6048	
	DC VOLTAGE	12V	15V	24V	48V	
	RATED CURRENT	5A	4A	2.5A	1.25A	
	CURRENT RANGE	0 ~ 5A	0 ~ 4A	0 ~ 2.5A	0 ~ 1.25A	
	RATED POWER	60W	60W	60W	60W	
	RIPPLE & NOISE (max)	100mVp-p	100mVp-p	120mVp-p	180mVp-p	
		Ripple & noise are measured at 20	OMHz of bandwidth by using a 12" tw	visted pair-wire terminated with a 0.	.1µF & 47µF parallel capacitor	
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V	
	VOLTAGE TOLERANCE	±1.0%	±1.0%	±1.0%	±1.0%	
		Tolerance: includes set up tolera	ance, line regulation and load regula	ation.		
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	
NIDUT	SETUP, RISE TIME	< 800ms, < 50ms / 230 Length of set up time is measur	DVAC at full load red at sold first start. Turning ON/OF	F the power supply may lead to i	increase of the set up time.	
INPUT	HOLD UP TIME (Typ.)	> 32ms / 230VAC; >16r	ms / 115VAC at full load			
	VOLTAGE RANGE	88 ~ 264VAC; 124 ~ 37	OVDC			
		Derating may apply in low input	voltage. Please check the derating	curve for more details.		
	FREQUENCY RANGE	47~63Hz				
	EFFICIENCY (Typ.)	86%	87%	87%	88%	
	AC CURRENT (Typ.)	1.3 A / 115VAC; 0.6A / 2	230VAC			
PROTECTION	INRUSH CURRENT (Typ.)	COLD START 30A / 115	vac; 60a / 230vac			
PROTECTION	LEAKAGE CURRENT	<1mA / 230VAC				
	OVER LOAD PROTECTION	> 102% rated output po	ower			
		Protection type: Constant curren	t limiting, recovers automatically a	fter fault condition is removed		
	OVER VOLTAGE PROTECTION	115% ~ 150% rated ou Protection type: latch-off mode	tput voltage			
	OVER TEMPERATURE PROTECTION	Power supply shut down at 70°C constant current limiting / output voltage goes to 0;				
ENVIRONMENI		re-power on to recover				
	WORKING TEMP.	-20 ~ +70°C (Refer to o	utput load derating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-cond	lensing			
	STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95%	5 RH			
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)				
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min.	/ 1cycle, 60 min. each lor	ng X,Y, Z axes		
	SAFETY STANDARDS	UL508, TUV EN60950-1	:2006+A11, UL1310 NEC (class 2 compliant		
	WITHSTAND VOLTAGE	I/P-0/P: 4242DC, I/P-FG	: 2121DC 1 minute			
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG:	100M Ohms/500VDC			
	EMI CONDUCTION & RADIATION	EN55022: 2006 Class B				
	HARMONIC CURRENT	EN61000-3-2: 2006 Cla	ss A, EN61000-3-3: 1995-	+A1: 2001+A2: 2005		
	EMS IMMUNITY	EN61204-3: 2000, EN55	5024: 1998+A1:2001+A2:	2003 light industry level,	, criteria A	
OUTDUT		The power supply is considered	a component which will installed i	nto a final equipment. The final ec	quipment must be re-confirmed	
	1	that it still meets EMC directives	3.			
	DC OK Signal	Relay contact (24VDC /	1A, 120VAC / 1A)			
	MTBF	944.6K HRS MIL-HDBK	<-217F			
	DIMENSION	40x90x99 mm (WxHxD)				

0.3kg; 27pcs / 9.3kg

Free air convection

I/P: 3 poles, 0/P: 6 poles screw DIN terminal

All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C of ambient temperature.

PACKING

COOLING

CONNECTION

PSC-60 Series

Mechanical Specification



Block Diagram



DC OK Relay Contact

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

Derating Curve









Features:

- Universal AC input (88-264V AC)
- Protections: Short Circuit / Overload / Overvoltage
- Brown-out protection •
- Installed on DIN rail TS35 / 7.5 or 15 ٠
- True DC OK signal output •
- All wiring 105°C long life electrolytic capacitors
- High operation temperature up to 70°C ٠
- Withstands 2G vibration test ٠
- High efficiency, long life and high reliability •
- ٠ 3 year warranty
- UL1310 Class 2 Power unit / LPS pass •
- UL508 (Industrial control equipment) listed

AUTDUT	
UUIPUI	

OUTPUT	Cat. No.	PSC-9612*	PSC-9615*	PSC-9624	PSC-9648
	DC VOLTAGE	12V	15V	24V	48V
	BATED CUBBENT	7 54	6 4 4	44	24
	CUBBENT BANGE	0 ~ 7 5Δ	$0 \sim 6.4$	0 ~ 4A	0~24
			06W	06W	061
		90W 100m\/n n	90W 190m\/n n	90W 100m\/n n	90W 050m\/n_n
	RIPPLE & NUISE (IIIAX)	тооптур-р	roomvh-h	тооптур-р	20000p-b
		Ripple & noise are measured at 20	DMHz of bandwidth by using a 12" tw	isted pair-wire terminated with a 0.1	JF & 47µF parallel capacitor
	VOLIAGE ADJ. RANGE	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VOLIAGE TOLERANCE	±1.0%	±1.0%	±1.0%	±1.0%
		Tolerance: includes set up tolera	ance, line regulation and load regula	ition.	
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±2.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE TIME	< 800ms, < 40ms / 230	OVAC at full load		
INPLIT	HOLD UP TIME (Typ.)	> 32ms / 230VAC; >16r	ms / 115VAC at full load		
	VOLTAGE BANGE	88 ~ 264VAC: 124 ~ 37	YOVDC		
	VOEI/IGE IVINGE	Derating may apply in low input	voltage. Please check the derating	curve for more details.	
	FREQUENCY BANGE	47Hz~63Hz			
	POWER FACTOR (Typ.)	< 0.02 / 230 V/AC < 0.02	8 / 115\/AC at full load		
	EEEICIENCY (Typ.)	< 0.32 / 230 VAC, < 0.30 070/	070/	000/	070/
			0/ %	00%	01 %
	AC CURRENT (Typ.)	1.1 A / 115VAU; U.55A /	23UVAU		
PROTECTION	INRUSH CURRENT (Typ.)	CULD START 30A / 115	IAU; 60A / 230VAU		
	LEAKAGE CURRENT	<1mA / 230VAC			
	OVER LOAD PROTECTION	> 102% rated output po	ower		
		Protection type: Constant curren	t limiting, recovers automatically af	ter fault condition is removed.	
	OVER VOLTAGE PROTECTION	115% ~ 150% rated ou	tput voltage		
		Protection type: latch-off mode			
	OVER TEMPERATURE PROTECTION	$90^{\circ}C \pm 10^{\circ}C$ (RTH2) dete	ect on heat sink of power t	ransistor	
		Protection type: Shut down over	voltage, re-power on to recover		
	WORKING TEMP	-20 ~ +70°C (Refer to o	utput load derating curve)		
		20 ~ 90% BH non-cond	ensina		
			DL		
		$-40 \sim +600$, $10 \sim 90\%$) nП		
SAFFTY & FMC		$\pm 0.03\% / 0 (0 \sim 500)$		X X 7	
	VIBRATION	$10 \sim 500$ Hz, 2G 10min.	/ 1 cycle, 60 min. each ion	ig X, Y, Z axes	
	SAFETY STANDARDS	UL508, TUV EN60950-1	:2006+A11, UL1310 NEC o	class 2 compliant	
	WITHSTAND VOLTAGE	I/P-0/P: 4242DC I/P-I	FG: 2121DC 1 minute		
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG:	100M Ohms/500VDC		
	EMI CONDUCTION & RADIATION	EN55022:2006 Class B			
	HARMONIC CURRENT	EN61000-3-2:2006 Clas	s A. FN61000-3-3: 1995+	A1: 2001+A2: 2005	
		EN61204-3.2000 EN55	02/1.1008+1.1.2001+1.02.20	103 light industry level cri	toria A
OUTDUT		The nower supply is considered	a component which will installed in	to a final equipment The final equi	inment must be re-confirmed
OUTPUT		that it still meets EMC directives	3.		
	DC OK Signal	Relay contact (2/IVDC /	10 1201/00 / 10		
	MTPE		17, 1201707 17)		
			21/F		
	PACKING	0.4Kg/24 pcs. / 10.8Kg			
	CONNECTION	I/P 3 poles, 0/P: 6 poles	screw DIN terminal		
	COOLING	Free air convection			
	I	All parameters NOT specially me	entioned are measured at 230V AC	input, rated load and 25°C of ambie	ent temperature.

*Not included in UL E361935

PSC-96 Series

Mechanical Specification



DC OK Relay Contact

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

Derating Curve







Features:

- Universal AC input (88-264V AC)
- Installed on DIN rail TS-35 / 7.5 or 15
- Built-in active PFC function, PF > 0.95
- 150% peak load capability
- 100% full load burn-in test
- Protection: SCP, OLP, OVP, OTP
- Two selectable peak load modes
- Built-in DC OK Relay contact
- Built-in Remote ON / OFF function
- 3 years warranty
- UL 508



150W DIN Rail Power Supply

Cat. No.	Phases	Output V DC A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-15124	1	24V DC 6.3A	±1%	≤240 mVp-p	≥87%	
PSC-15148	1	48V DC 3.2A	±1%	≤480 mVp-p	≥87%	



240W DIN Rail Power Supply

Cat. No.	Phases	Output V DC A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-24124	1	24V DC 10A	±1%	≤150 mVp-p	≥91%	
PSC-24148	1	48V DC 5A	±1%	≤300 mVp-p	≥92%	



480W DIN Rail Power Supply

Cat. No.	Phases	Output V DC A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSC-48124	1	24V DC 20A	±1%	≤240 mVp-p	≥93%	
PSC-48148	1	48V DC 10A	±1%	≤480 mVp-p	≥94%	



20A DIN Rail Redundancy Module

Cat. No.	Phases	Output		Input	NOTES
		V DC A	VDC	Α	
PSC-RM20	1	24V DC 20A	24VDC	2x20A	

**Other output voltages on request.

SPECIFICATIONS

PSC-151 Series



Terminal Pin No. Assignment (TB1)				
Assignment				
FG 🕀				
AC/L				
AC/N				

Terminal Pin No. Assignment (TB2)						
Pin NO.	Assignment					
1	DC+					
2	DC-					
3	INH+					
4	INH-					
5,6	Relay Contact					

Assignment

DC+

DC-

INH+

INH-

Relay Contact

Switchino, Assignmen	Switch	No.	Assianmen
----------------------	--------	-----	-----------

	•
SW NO.	Assignment
SW1	PEAK LOAD SETTING
SW2	REMOTE ON/OFF SETTING

2.0A @ 115VAC / 1.0A @ 230VAC
2 poles, single screw terminal
2 poles, single screw terminal
55.5x12.5x100 mm (2.19x4.92x3.93 in.)
1/box; 0.72kg (1.6 lbs)

Terminal Pin No. Assignment (TB2) Switch No. Assignment

SW NO.	Assignment
SW1	PEAK LOAD SETTING
SW2	REMOTEON/OFF SETTING



PSC-241 Series

2.6A @
2 poles,
2 poles,
66x12.5
1/box;

Terminal Pin No. Assignment (TB1)

Assignment

FG 🕀

AC/L

AC/N

Pin NO.

1 2

3

115VAC / 1.3A @ 230VAC single screw terminal single screw terminal 5x118 mm (2.6x4.9x4.65 in.) 0.9kg (2.0 lbs)

Pin NO.

1

2

3 4

5,6

PSC-481 Series



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

)	Terminal Pin No.		Assignment (TB2)	
1	Pin NO.		Assignment	٦
	1-3	DC+		
	4-6	DC-		
	7		INH+	
	8		INH-	
	9,10		DCOK Signal	٦

SW NO.	Assignment
SW1	PEAK LOAD SETTING
SW2	REMOTE ON/OFFSETTING

Switch No. Assignment

Universal Input:	5.0A @ 115VAC / 2.5A @ 230VAC			
Connection Input:	2 poles, single screw terminal			
Connection Output:	2 poles, single screw terminal			
Size (WxHxD):	86x12.5x123 mm (3.4x4.9x4.85 in.)			
Packaging:	1/box; 1.45kg (3.2 lbs)			

PSC-RM20



Terminal Pin. No Assignment (TB1)		
Pin No.	in No. Assignment 1 Vout+ 2 Vout- 3,4 Vin-	
1		
2		
3,4		
5	Vin B+	
6	Vin A+	

Terminal Pin. No Assignment (TB2)			
Pin No.	Assignment		
1	Alarm B1		
2	Alarm B2		
3	Alarm A1		
4	Alarm A2		

Input:	2x20A @ 24VDC
Connection Input:	2 poles, single screw terminal
Connection Output:	2 poles, single screw terminal
Size (WxHxD):	55.5x12.5x100 mm (2.19x4.92x3.93 in.)
Packaging:	1/box; 0.72kg (1.6 lbs)





PSC-151 Series 👧 (E 🙂 CUSUS LISTED E205412 A TÜV Type Approved

Features:

- Universal AC input (88-264V AC)
- Installed on DIN rail TS-35 / 7.5 or 15
- Built-in active PFC function, PF > 0.95
- 150% peak load capability ٠
- 100% full load burn-in test
- Protection: SCP, OLP, OVP, OTP • Two selectable peak load modes
- Built-in DC OK Relay contact
- Built-in Remote ON / OFF function
- 3 years warranty
- • UĹ 508

OUTPUT	Cat. No.	PSC-15124	PSC-15148
	DC VOLTAGE	24V	48V
	RATED CURRENT	6.3A	3.2A
	CURRENT RANGE	0~6.3A	0~3.2A
	RATED POWER	150W	150W
	PEAK CURRENT	9.45A	4.8A
	PEAK POWER	225W (3sec.)	
		3 seconds or 20% duty cycle max. and the average output power sh	ould not exceed the rate power.
	RIPPLE & NOISE (max)	240mVp-p	480mVp-p
		Ripple & noise are measured at 20MHz or bandwidth by using a 12 1	wisted pair-wire terminated with a 0.1µF & 47µF parallel capacitor.
		$-2.70 \sim +0.70$	$-2/0 \sim +0/0$
	VOLIAGE TOLEMANOL	Tolerance: includes set up tolerance. line regulation and load reg	ulation.
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	+1.0%	+1.0%
	SETUP. RISE TIME	700ms. 30ms / 230VAC / 115VAC at full load	
INPUT	HOLD UP TIME (Typ.)	16ms / 230VAC; 16ms / 115VAC at full load	
	VOLTAGE BANGE	88 ~ 264VAC: 124 ~ 373VDC	
		Derating may apply in low input voltage. Please check the derati	ng curve for more details.
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR(Typ.)	0.9 / 230VAC; 0.98 / 115VAC at full load	
	EFFICIENCY (Typ.)	87%	87%
	AC CURRENT (Typ.)	2.0A / 115VAC; 1.0A / 230VAC	
	INRUSH CURRENT (Typ.)	33A / 115VAC; 65A / 230VAC	
PROTECTION	LEAKAGE CURRENT	<1mA/ 240VAC	
	OVERLOAD PROTECTION	105% \sim 150% rated output power for 3 sec and then shutdown	in O/P with auto-recovery.
		150% or greater rated power or short circuit is constant current	limiting.
		If O/P drops to 40% output then it auto-recover 5 times; if fault of	condition is not removed
		20 23V	56 - 65V
	OVEN VOLIAGE	Protection type: Latch-off mode, repower on to recover.	30 ~ 034
	OVER TEMPERATURE	95 ±5°C (TSW: detect on heatsink of power dioc	le)
ENVIRONMENT Protection type: Shut down o/p vo		Protection type: Shut down o/p voltage, recovers automatically a	fter temperature goes down
	WORKING TEMP.	-10 ~ +70°C (Refer to derating curve)	
		Installation clearance: 40mm from top, 20mm from bottom, 5mm	n from the left and right side are recommended when loaded
		permanently with full power. In case the adjacent device is a hea	at source, 15mm clearance is recommended.
		20 ~ 95% RH non-condensing	
	STORAGE TEMP. / HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
		$\pm 0.03\%$ / °C (0 ~ 50°C)	X X 7
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min. / 1cycle, 60min. each ai	ong X, Y, Z axes
	SAFETY STANDARDS	UL 508 / TUV EN 60950-1	
	WITHSTAND VOLTAGE	I/P-0/P: 4242VDC, I/P-FG: 2121VDC, 0/P-FG: 702	7VDC, 0/P-DC 0K: 707VDC
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG: >100M Ohms / 500VDC	/ 25°C / 70% RH
	EMI CONDUCTION & RADIATION	EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	EN61000-3-2, -3	
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV5	0204; EN55024; EN61000-6-2; (EN50082-2);
		EN61204-3; heavy industry level; criteria A, MEE	T SEMI F47
OUTPUT		The power supply is considered a component which will installed re-confirmed that it still meets EMC directives.	d into a final equipment. The final equipment must be
	DC OK RELAY. CONTACT RATINGS (max)	60VDC / 0.3A, 30VDC / 1A, 30VAC / 0.5A resistiv	re load
	MTBF	62.7K HRS (MIL-HDBK-217F)	
	DIMENSION	55.5x125.2x99.8 mm (WxHxD)	
	PACKING	0.72kg; 12pcs / 12.8kg	
	COOLING	Free air convection	
		All parameters NUT specially mentioned are measured at 230VA	c input, rated load and 25°C of ambient temperature.

PSC-151 Series

Mechanical Specification

Terminal Pin No. Assignment (TB1)

Pin NO.	Assignment	
1	FG 🕀	
2	AC/L	
3	AC/N	

Terminal Pin No. Assignment (TB2)

Pin NO.	Assignment	
1	DC+	
2	DC-	
3	INH+	
4	INH-	
5,6	Relay Contact	

Switch No. Assignment

SW NO.	Assignment	
SW1	PEAK LOAD SETTING	
SW2	REMOTE ON/OFF SETTING	



Unit : mm / inch



Block Diagram



DC OK Relay Contact

Contact Close	When the output voltage reaches the adjusted output voltage.
Contact Open	When the output voltage drop below 45% rated output voltage.
Contact Ratings(max.)	30V/1A resistive load





Peak Load SW1 ON (Mode1) Default setting



T-peak presents while the unit is working within 110%~150% Rating output power. See curve " B " for the variation in T-peak between output current and holdup time. If T-peak is more than the time setting in curve "B", the output current will drop to the constant current limit (I-normal) that is 105% rating power, meanwhile, I- normal and T-normal will be presenting. See curve "A" for the timing back to I-Peak of T-normal and this Mode can use for easy 2-stage battery charger.

Peak Load SW2 OFF (Mode2)



T-peak presents while the unit is working within 110%~150% Rating output power. See curve " B " for the variation in T-peak between output current and holdup time. If T-peak is more than the time setting in curve "B", the output current will be shut down for $3{\sim}4$ sec, then auto-recovery.



PSC-151 Series

Remote ON/OFF

The PSU can be turned ON/OFF by using the "Remote Control" function.

SW2	INH+(3 PIN)/ INH-(4 PIN)	Output Status	
OFF	SW ON (>2.5V)	ENABLE	
OFF	SW OFF (<0.8V)	DISABLE	
ON	SW ON (>2.5V)	DISABLE	
ON	SW OFF (<0.8V)	ENABLE	(Default Setting



Derating Curve



Output derating VS input Voltage

