



## 40-65W 90-305V AC-DC Power Supplies



Features	Benefits
• Accepts 115/230/277VAC Nominal Inputs	• Suitable for US Building Wiring
• DIN Rail Mount Option	• Easy to Mount
• <150mW Off-Load Power Consumption	• Standby Energy Saving
• DOE Efficiency Level VI	• Less Power Consumed
• Class 2 24V Model to UL1310	• Meets NEC Requirements

Specification		
Model	CSW65	
Input Voltage range	-	90 - 305VAC (47 - 63Hz)
Inrush Current (230VAC)	A	Less than 65A, 25°C ambient cold start
Input Current (115/230VAC)	A	2 / 1
Hold Up Time (Typ)	ms	>10ms at 115VAC input
Off-Load Power Consumption	W	<150mW
Average Efficiency	%	5V: 87.2%, 12-54V: 89%
Temperature Coefficient	%/°C	±0.05%/°C
Output Voltage Accuracy	%	±1%
Output Adjustment Range	-	None
Remote Sense	-	No
Minimum Load	A	None
Output Regulation	%	5-24V: ±3%, 28-54V: ±2%
Ripple & Noise	%	See Model Selector
Overcurrent Protection	-	105 - 160%, Auto-Recovery
Overvoltage Protection	V	See Model Selector (Cycle AC to reset)
Operating Temperature	°C	-10°C to +70°C derate linearly to 50% load from 50°C to 70°C*
Storage Temperature	°C	-20°C to +85°C
Humidity (non condensing)	%RH	5 - 95%RH
Cooling	-	Convection
Withstand Voltage	VAC	Input to Ground 1.5kVAC, Input to Output 3kVAC Output to Ground 500VDC
Isolation Resistance	MΩ	>20MΩ at 25C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	23.52m/s <sup>2</sup> (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	< 196.1 m/s <sup>2</sup> (20G)
Safety Agency Certifications	-	UL/CSA/IEC/EN60950-1, UL1310 Class 2 (1), CE Mark
Conducted & Radiated EMI	-	EN55032-B, FCC Class B
Immunity	-	EN55024
Weight (Typ)	g	U channel: 250, /A: 270, /D: 290
Size (WxLxH) U-Channel	mm	63.5 x 120.7 x 38.1
Warranty	yrs	3

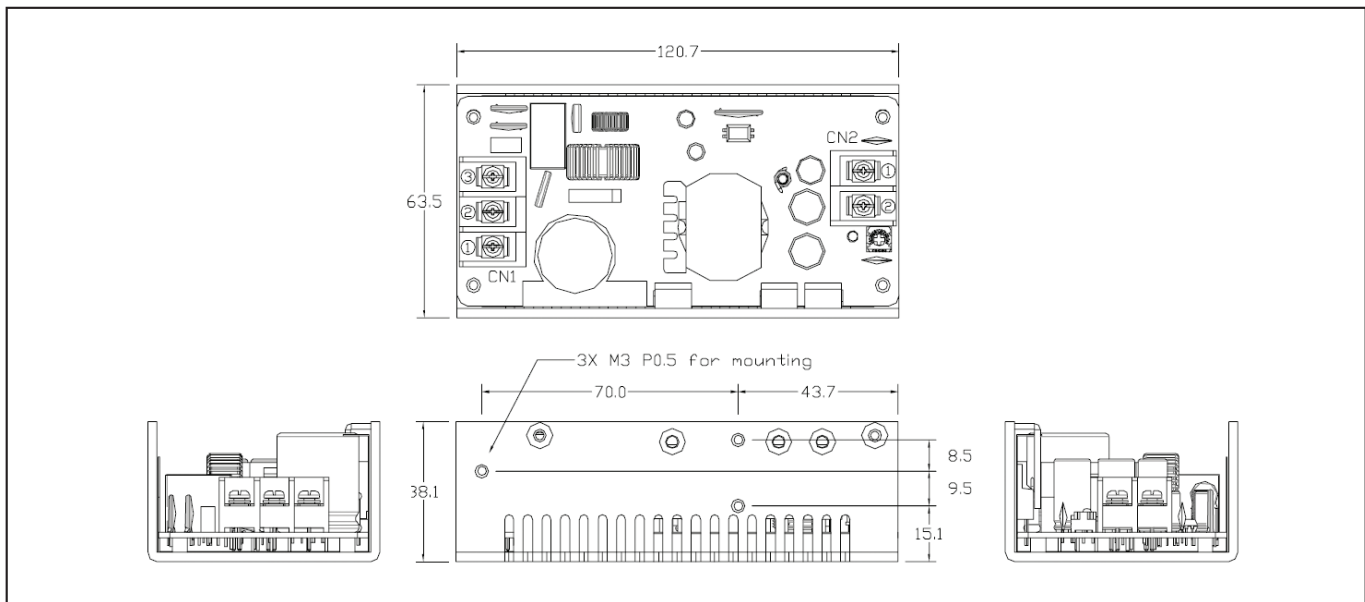
**Notes:**

\* Derate linearly to 90% load from 0°C to -10°C (1) NEC Class 2 in accordance with UL1310. CSW65-24 only)

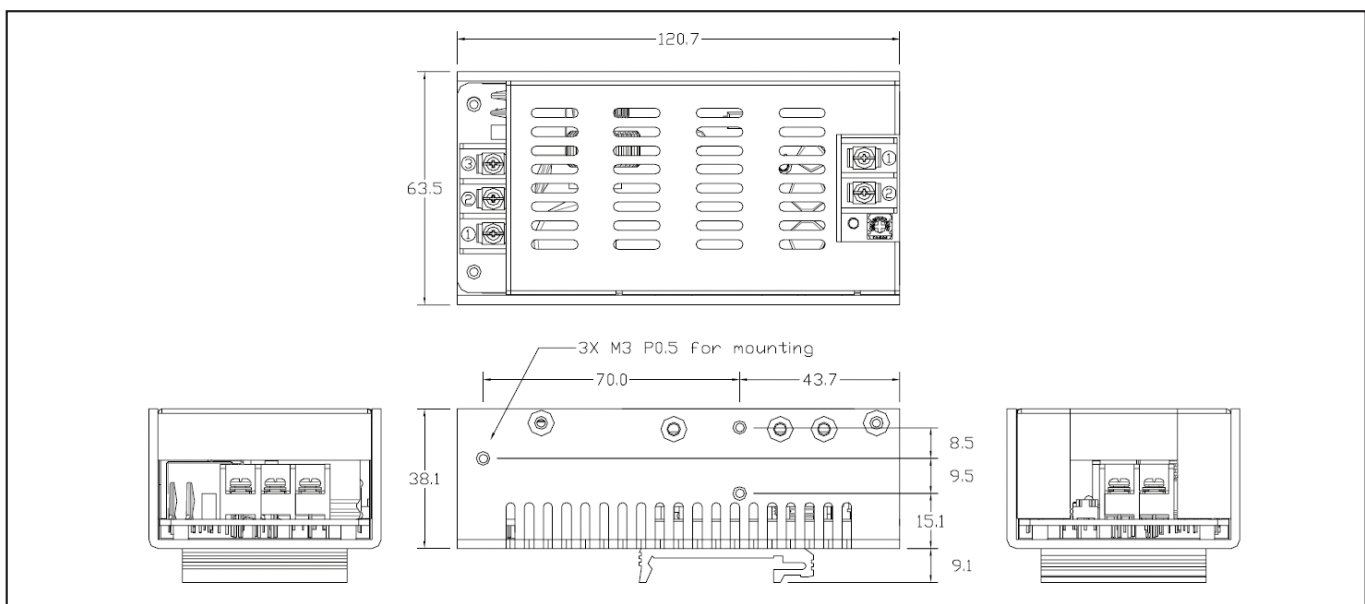
## Model Selector

Model	Output (V)	Maximum Output (A)	Maximum Power (W)	Ripple and Noise (mV)	Overvoltage (V)
CSW65-5	5	8.0	40	100	6 - 8
CSW65-12	12	5.42	65	120	13.2 - 15.6
CSW65-15	15	4.34	65	150	16.5 - 19.5
CSW65-18	18	3.62	65	180	19.8 - 23.4
CSW65-24	24	2.71	65	240	26.4 - 31.2
CSW65-28	28	2.33	65	280	30.8 - 36.4
CSW65-48	48	1.36	65	280	52.8 - 62.4
CSW65-54	54	1.21	65	280	59.4 - 64.8

## Outline Drawing CSW65 Series U Channel



## Outline Drawing CSW65 Series /D Din Rail Mount



Options	
Suffix	Description
Blank	U-Channel
/A	U-Channel & Cover
/D	U-Channel, Cover & DIN Rail Bracket



## TDK-Lambda France SAS

3 Avenue du Canada  
Parc Technopolis  
Bâtiment Sigma  
91940 les Ulis  
France  
Tel: +33 1 60 12 71 65  
Fax: +33 1 60 12 71 66  
france@fr.tdk-lambda.com  
www.fr.tdk-lambda.com



## Italy Sales Office

Via dei Lavoratori 128/130  
20092 Cinisello Balsamo (MI)  
Italy  
Tel: +39 02 61 29 38 63  
Fax: +39 02 61 29 09 00  
info.italia@it.tdk-lambda.com  
www.it.tdk-lambda.com



## Netherlands

info@nl.tdk-lambda.com  
www.nl.tdk-lambda.com



## TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40  
77855 Achern  
Germany  
Tel: +49 7841 666 0  
Fax: +49 7841 5000  
info.germany@de.tdk-lambda.com  
www.de.tdk-lambda.com



## Austria Sales Office

Aredstrasse 22  
2544 Leobersdorf  
Austria  
Tel: +43 2256 655 84  
Fax: +43 2256 645 12  
info@at.tdk-lambda.com  
www.de.tdk-lambda.com



## Switzerland Sales Office

Bahnhofstrasse 50  
8305 Dietlikon  
Switzerland  
Tel: +41 44 850 53 53  
Fax: +41 44 850 53 50  
info@ch.tdk-lambda.com  
www.de.tdk-lambda.com



## Nordic Sales Office

Haderslevvej 36B  
DK-6000 Kolding  
Denmark  
Tel: +45 2911 9556  
info@dk.tdk-lambda.com



## TDK-Lambda UK Ltd.

Kingsley Avenue  
Ilfracombe  
Devon EX34 8ES  
United Kingdom  
Tel: +44 (0) 12 71 85 66 66  
Fax: +44 (0) 12 71 86 48 94  
powersolutions@uk.tdk-lambda.com  
www.uk.tdk-lambda.com



## TDK-Lambda Ltd.

Kibbutz  
Givat Hashlosha 48800  
Israel  
Tel: +9 723 902 4333  
Fax: +9 723 902 4777  
info@tdk-lambda.co.il  
www.tdk-lambda.co.il



## C.I.S.

### Commercial Support:

Tel: +7 (495) 665 2627

### Technical Support:

Tel: +7 (812) 658 0463

info@tdk-lambda.ru

www.tdk-lambda.ru

## Local Distribution

