



Railway Product Selection Guide

DC-DC Converters

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DIP24 Package 8W & 10W

Series	Output Power	Input Voltage (VDC)	Output Voltage (VDC)												Eff.	Isolation Voltage	Package / Dimension (inch)
			Single								Dual						
			3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V			
	EC6AW	8W	9~36V 18~75V	●	●	●	●					●	●	●	86%	1500Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)
	EC6AW-110	10W	43~160V												89%	3000Vdc	1.25x0.80x0.50 (DIP24)
	EC7AW18 		8.5~160V		●	●	●				●	●	●	88%	Reinforced 3000Vac		

1"x1" & 2"x1" Package 20W & 40W

Series			Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)										Eff.	Isolation Voltage	Package / Dimension (inch)		
					Single								Dual						
					3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V				±15V	±24V
	EC4SBW18	NEW 	20W	8.5~160V		•	•	•	•					•	•		88%	Reinforced 3000Vac	1.00x1.00x0.40 (DIP)
	EC7BW			9~36V 18~75V	•	•	•	•					•	•	•		90%	1500Vdc	2.00x1.00x0.40 (DIP)
	EC7BW-110			43~160V		•	•	•						•	•			3000Vdc	
	EC7BW18			40W	8.5~160V		•	•	•						•	•	•	91%	Reinforced 3000Vac
	ECB40W18	NEW 				•	•	•	•		•	•							
	ECLB40W-110		43~160V		•	•	•	•						•	•	•	91%	3000Vdc	2.05x1.20x0.40 (DIP)

Quarter Brick Package 50W-150W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (VDC)												Eff.	Isolation Voltage	Package / Dimension (inch)
			Single								Dual						
			3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V			
CQB50W8 	50W	9~75V			•	•	•	•	•						91%	Reinforced 3000Vac	2.28×1.45×0.50 (Quarter Brick)
CQB50W12 		14~160V		•	•		•		•						89%	3000Vdc	
CQB60W-110S	60W	43~160V		•	•	•	•	•	•						92%		
CQB75W8 	75W	9~75V			•	•	•	•	•						90%	Reinforced 3000Vac	
CQB75W14  		12~160V		•	•	•	•	•		•					91%		
CQB 100W14  	100W	12~160V		•	•	•	•	•		•					89%		
CQB100W-110S		43~160V		•	•	•	•	•	•						92%	3000Vdc	
CQB150W	150W	9~36V 18~75V		•	•	•	•	•	•						92%	2250Vdc	
CQB150W8  		9~75V		•	•	•	•	•	•	•					90%	Reinforced 3000Vac	
CQB 150W14  		12~160V		•	•	•	•	•		•							
CQB150W-110S			43~160V	•	•	•	•	•	•	•						92%	



Half Brick Package 100W-300W

Series		Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)												Eff.	Isolation Voltage	Package / Dimension (inch)
				Single								Dual						
				3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V			
	CHB100-110S	100W	66~160V			●	●	●		●					89%	Reinforced 3000Vac	2.28×2.40x0.50 (Half Brick)	
	CHB150W12 	150W	14~160V		●	●	●	●		●					91%			
	CHB200W-110S	200W	43~160V		●	●		●	●	●					3000Vdc			
	CHB200W12 		14~160V			●	●	●		●					90%	Reinforced 3000Vac		
	CHB300W-110S	300W	43~160V	●	●	●		●	●	●						91%		3000Vdc

Full Brick Package 600W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)												Eff.	Isolation Voltage	Package / Dimension (inch)
			Single								Dual						
			3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V			
 CFB600W-110S	600W	43~160V			●		●	●	●						88%	2250Vdc	4.60×2.40x0.50 (Full Brick)

Chassis Mount Module 10W-600W

Series			Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)										Eff.	Isolation Voltage	Package / Dimension (inch)			
					Single								Dual							
					3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V				±15V	±24V	
	EC7AW18-72S/D ECRT/EDRT		10W	10~160V		•	•	•					•	•	•		86%	Reinforced 3000Vac	4.00x2.14x0.80 (ECRT) 4.00x2.14x1.38 (EDRT)	
	EC7BW18-72S/D ECRT/EDRT		20W			•	•	•						•	•	•	88%		4.45x2.33x0.85 (ECRT) 4.45x2.33x1.43 (EDRT)	
	ECB40W18-ECRT/EDRT	 	40W			•	•	•	•		•	•					89%		5.63x2.56x0.87 (ECRT) 5.63x2.56x1.45 (EDRT)	
	CQB50W12-72SXX-CMFC(D)		30~50W	14~160V		•	•		•		•						89%	3000Vdc	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)	
	CQB50W8-36SXX-CMFC(D)		50W	9.5~75V			•	•	•	•	•						90%		4.60x2.40x1.46 (CMFC) 4.60x2.49x1.46 (CMFD)	
	CRT60W12	 	60W	14.4~160V			•		•		•						92%		Reinforced 3000Vac	5.09x2.28x1.35 (EC) 5.09x2.28x1.93 (ED)
	CQB75W8-36SXX-CMFC(D)		75W	9.5~75V			•	•	•	•	•						90%			4.60x2.40x1.46 (CMFC) 4.60x2.49x1.46 (CMFD)
	CRT100W12	 	100W	14.4~160V			•		•		•						92%	5.09x2.28x1.35 (EC) 5.09x2.28x1.93 (ED)		
	CQB100W-110SXX-CMFC(D)			43~160V		•	•	•	•	•	•						91%	3000Vdc	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)	
	CQB150W-110SXX-CMFC(D)		150W		•	•	•	•	•	•	•									
	CHB200W 12-CMFD	 	200W	14~160V			•	•	•		•						89.5%	Reinforced 3000Vac	6.98x3.09x1.56 (CMFD)	
	CHB200W-110SXX-CMFC(D)			43~160V		•	•		•	•	•						90.5%	3000Vdc	6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)	
	CRT300W12	 	300W	14.4~160V			•		•		•						94%	Reinforced 3000Vac	8.27x3.2x1.33	
	CHB300W-110SXX-CMFC(D)			43~160V	•	•	•		•	•	•						90.5%	3000Vdc	6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)	
	CFB600W-110SXX CMFD		600W				•		•	•	•						88%	2250Vdc	9.45x4.33x1.65 (CMFD)	

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Hauptsitz

Simpex Electronic AG

Binzackerstrasse 33

CH-8620 Wetzikon

Telefon +41 44 931 10 10

E-Mail contact@simpex.ch

Internet www.simpex.ch

Manufaktur

Simpex Electronic SA

En Bas-le-Port 1

CH-2088 Cressier

E-Mail contact@simpex.ch

Internet www.simpex.ch