

CINCON DC-DC Converters



RoHS Compliant This product is RoHS compliant.

CHB50 SERIES, 25-50W SINGLE OUTPUT

Features:
 • Efficiency to 89% • 300KHz Switching Frequency • 2:1 Input Range



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	10
418-CHB50-12S33	CHB50-12S33	9-18V	3.3V	10A	72.73	69.82
418-CHB50-12S05	CHB50-12S05	9-18V	5V	10A	72.73	69.82
418-CHB50-12S12	CHB50-12S12	9-18V	12V	4.16A	72.73	69.82
418-CHB50-12S15	CHB50-12S15	9-18V	15V	3.33A	72.73	69.82
418-CHB50-12S24	CHB50-12S24	9-18V	24V	2.08A	72.73	69.82
418-CHB50-24S25	CHB50-24S25	18-36V	2.5V	10A	72.73	69.82
418-CHB50-24S33	CHB50-24S33	18-36V	3.3V	10A	72.73	69.82
418-CHB50-24S05	CHB50-24S05	18-36V	5V	10A	72.73	69.82
418-CHB50-24S12	CHB50-24S12	18-36V	12V	4.16A	72.73	69.82
418-CHB50-24S15	CHB50-24S15	18-36V	15V	3.33A	72.73	69.82
418-CHB50-24S24	CHB50-24S24	18-36V	24V	2.08A	72.73	69.82
418-CHB50-48S25	CHB50-48S25	36-75V	2.5V	10A	72.73	69.82
418-CHB50-48S05	CHB50-48S05	36-75V	5V	10A	72.73	69.82
418-CHB50-48S12	CHB50-48S12	36-75V	12V	4.16A	72.73	69.82
418-CHB50-48S15	CHB50-48S15	36-75V	15V	3.33A	72.73	69.82
418-CHB50-48S24	CHB50-48S24	36-75V	24V	2.08A	72.73	69.82

CHB50W SERIES, 25-50W SINGLE OUTPUT

Features:
 • Efficiency to 87% • 300KHz Switching Frequency • 4:1 Input Range



MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	50
418-CHB50W-24S3V3	CHB50W-24S3V3	9-36V	3.3V	10A	83.90	80.54
418-CHB50W-24S05	CHB50W-24S05	9-36V	5V	10A	83.90	80.54
418-CHB50W-24S12	CHB50W-24S12	9-36V	12V	4.16A	83.90	80.54
418-CHB50W-24S15	CHB50W-24S15	9-36V	15V	3.33A	83.90	80.54
418-CHB50W-24S24	CHB50W-24S24	9-36V	24V	2.08A	83.90	80.54
418-CHB50W-48S05	CHB50W-48S05	18-75V	5V	10A	83.90	80.54
418-CHB50W-48S12	CHB50W-48S12	18-75V	12V	4.16A	83.90	80.54
418-CHB50W-48S15	CHB50W-48S15	18-75V	15V	3.33A	83.90	80.54
418-CHB50W-48S24	CHB50W-48S24	18-75V	24V	2.08A	83.90	80.54

CHB75 SERIES, 37.5-75W SINGLE OUTPUT

Features:
 • Efficiency to 89% • 300KHz Switching Frequency • 2:1 Input Range



MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	50
418-CHB75-12S25	CHB75-12S25	9-18V	2.5V	15A	83.85	80.50
418-CHB75-12S33	CHB75-12S33	9-18V	3.3V	15A	83.85	80.50
418-CHB75-12S05	CHB75-12S05	9-18V	5V	15A	83.85	80.50
418-CHB75-12S12	CHB75-12S12	9-18V	12V	6.25A	83.85	80.50
418-CHB75-12S15	CHB75-12S15	9-18V	15V	5A	83.85	80.50
418-CHB75-12S24	CHB75-12S24	9-18V	24V	3.13A	83.85	80.50
418-CHB75-24S33	CHB75-24S33	18-36V	3.3V	15A	83.85	80.50
418-CHB75-24S05	CHB75-24S05	18-36V	5V	15A	83.85	80.50
418-CHB75-24S12	CHB75-24S12	18-36V	12V	6.25A	83.85	80.50
418-CHB75-24S15	CHB75-24S15	18-36V	15V	5A	83.85	80.50
418-CHB75-24S24	CHB75-24S24	18-36V	24V	3.13A	83.85	80.50
418-CHB75-48S25	CHB75-48S25	36-75V	2.5V	15A	83.85	80.50
418-CHB75-48S33	CHB75-48S33	36-75V	3.3V	15A	83.85	80.50
418-CHB75-48S05	CHB75-48S05	36-75V	5V	15A	83.85	80.50
418-CHB75-48S12	CHB75-48S12	36-75V	12V	6.25A	83.85	80.50
418-CHB75-48S15	CHB75-48S15	36-75V	15V	5A	83.85	80.50
418-CHB75-48S24	CHB75-48S24	36-75V	24V	3.13A	83.85	80.50

CHB75W SERIES, 75W SINGLE OUTPUT

Features:
 • Efficiency to 85% • 300KHz Switching Frequency • 4:1 Input Range



MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	50
418-CHB75W-48S3V3	CHB75W-48S3V3	18-75V	3.3V	15A	98.63	94.68
418-CHB75W-48S05	CHB75W-48S05	18-75V	5V	15A	98.63	94.68
418-CHB75W-48S12	CHB75W-48S12	18-75V	12V	6.25A	98.63	94.68
418-CHB75W-48S15	CHB75W-48S15	18-75V	15V	5A	98.63	94.68

CHB100 SERIES, 50-100W SINGLE OUTPUT

Features:
 • Efficiency to 89% • 500KHz Switching Frequency • 2:1 Input Range



MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	87.78
418-CHB100-24S25	CHB100-24S25	18-36V	2.5V	20A	92.17	87.78
418-CHB100-24S33	CHB100-24S33	18-36V	3.3V	20A	92.17	87.78
418-CHB100-24S05	CHB100-24S05	18-36V	5V	20A	92.17	87.78
418-CHB100-24S12	CHB100-24S12	18-36V	12V	8.3A	92.17	87.78
418-CHB100-24S15	CHB100-24S15	18-36V	15V	6.7A	92.17	87.78
418-CHB100-24S24	CHB100-24S24	18-36V	24V	4.17A	92.17	87.78
418-CHB100-48S25	CHB100-48S25	36-75V	2.5V	20A	92.17	87.78
418-CHB100-48S33	CHB100-48S33	36-75V	3.3V	20A	92.17	87.78
418-CHB100-48S05	CHB100-48S05	36-75V	5V	20A	92.17	87.78
418-CHB100-48S12	CHB100-48S12	36-75V	12V	8.3A	92.17	87.78
418-CHB100-48S15	CHB100-48S15	36-75V	15V	6.7A	92.17	87.78
418-CHB100-48S24	CHB100-48S24	36-75V	24V	4.17A	92.17	87.78

CHB150-110S SERIES, 150W ISOLATED OUTPUT

Features:
 • Efficiency to 92.5% • 200KHz Switching Frequency • 3:1 Input Range
 • Suited for Railway applications



MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	154.44
418-CHB150-110S05	CHB150-110S05	66-160V	5V	30A	150.76	145.15
418-CHB150-110S12	CHB150-110S12	66-160V	12V	12.5A	160.88	154.44
418-CHB150-110S24	CHB150-110S24	66-160V	24V	6.5A	160.88	154.44

DIMENSIONS: in.

Common Features:

- Isolated Voltage: 1.5k VDC
- Regulated Outputs
- Positive Logic Remote ON/OFF
- Continuous Short Circuit Protection
- Five Sided Metal Case
- Industry Standard Half-Brick Package
- Pi Input Filter
- Thermal Shutdown

CHB100W SERIES, 66-100W SINGLE OUTPUT

Features:
 • 4:1 wide input range

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each		
					1	10	50
418-CHB100W-24S3V3	CHB100W-24S3V3	9-36V	3.3V	20A	121.97	116.42	110.88
418-CHB100W-24S05	CHB100W-24S05	9-36V	5.0V	20A	121.97	116.42	110.88
418-CHB100W-24S12	CHB100W-24S12	9-36V	12V	8.3A	121.97	116.42	110.88
418-CHB100W-24S15	CHB100W-24S15	9-36V	15V	6.7A	121.97	116.42	110.88
418-CHB100W-24S24	CHB100W-24S24	9-36V	24V	4.17A	121.97	116.42	110.88
418-CHB100W-48S3V3	CHB100W-48S3V3	18-75V	3.3V	20A	121.97	116.42	110.88
418-CHB100W-48S05	CHB100W-48S05	18-75V	5.0V	20A	121.97	116.42	110.88
418-CHB100W-48S12	CHB100W-48S12	18-75V	12V	8.3A	121.97	116.42	110.88
418-CHB100W-48S15	CHB100W-48S15	18-75V	15V	6.7A	121.97	116.42	110.88
418-CHB100W-48S24	CHB100W-48S24	18-75V	24V	4.17A	121.97	116.42	110.88

CHB150 & CHB200W SERIES, 99-200W SINGLE OUTPUT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each		
					1	10	50
418-CHB150-48S12	CHB150-48S12	36-75V	12V	1.25A	114.83	110.23	103.34
418-CHB150-48S15	CHB150-48S15	36-75V	15V	1.0A	114.83	110.23	103.34
418-CHB150-48S24	CHB150-48S24	36-75V	24V	6.25A	114.83	110.23	103.34
418-CHB150W-24S3V3	CHB150W-24S3V3	9-36V	3.3V	30A	159.65	152.40	145.14
418-CHB150W-24S05	CHB150W-24S05	9-36V	5.0V	30A	159.65	152.40	145.14
418-CHB150W-24S12	CHB150W-24S12	9-36V	12V	12.5A	159.65	152.40	145.14
418-CHB150W-24S15	CHB150W-24S15	9-36V	15V	10A	159.65	152.40	145.14
418-CHB150W-24S24	CHB150W-24S24	9-36V	24V	6.5A	159.65	152.40	145.14
418-CHB150W-48S3V3	CHB150W-48S3V3	18-75V	3.3V	30A	159.65	152.40	145.14
418-CHB150W-48S05	CHB150W-48S05	18-75V	5.0V	30A	159.65	152.40	145.14
418-CHB150W-48S12	CHB150W-48S12	18-75V	12V	12.5A	159.65	152.40	145.14
418-CHB150W-48S15	CHB150W-48S15	18-75V	15V	10A	159.65	152.40	145.14
418-CHB150W-48S24	CHB150W-48S24	18-75V	24V	6.5A	159.65	152.40	145.14
418-CHB200W-24S05	CHB200W-24S05	10-36V	5.0V	40A	196.44	190.71	184.16
418-CHB200W-24S12	CHB200W-24S12	10-36V	12V	16.7A	196.44	190.71	184.16
418-CHB200W-24S24	CHB200W-24S24	10-36V	24V	8.3A	196.44	190.71	184.16
418-CHB200W-24S48	CHB200W-24S48	10-36V	48V	4.2A	196.44	190.71	184.16
418-CHB200W-48S05	CHB200W-48S05	18-75V	5.0V	40A	196.44	190.71	184.16
418-CHB200W-48S12	CHB200W-48S12	18-75V	12V	16.7A	196.44	190.71	184.16
418-CHB200W-48S24	CHB200W-48S24	18-75V	24V	8.3A	196.44	190.71	184.16

CHB350 SERIES, 231-350W SINGLE OUTPUT

Features:
 • 2:1 wide input range

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each		
					1	10	50
418-CHB350-24S3V3	CHB350-24S3V3	18-36V	3.3V	70A	124.22	118.70	115.25
418-CHB350-24S05	CHB350-24S05	18-36V	5V	70A	124.22	118.70	115.25
418-CHB350-24S12	CHB350-24S12	18-36V	12V	29.2A	124.22	118.70	115.25
418-CHB350-24S24	CHB350-24S24	18-36V	24V	14.6A	108.85	104.01	100.98
418-CHB350-24S28	CHB350-24S28	18-36V	28V	12.5A	108.85	104.01	100.98
418-CHB350-48S3V3	CHB350-48S3V3	36-75V	3.3V	70A	124.22	118.70	115.25
418-CHB350-48S05	CHB350-48S05	36-75V	5V	70A	124.22	118.70	115.25
418-CHB350-4							