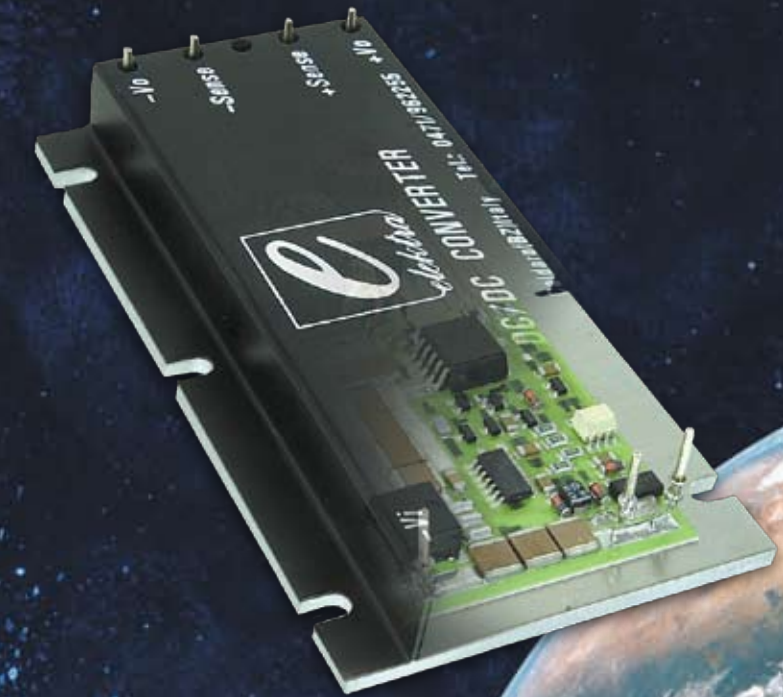


DC/DC CONVERTER

OVERVIEW



Production and Sales office
ELEKTRA srl
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Your local agency or distributor




The innovative and technology-oriented company focuses primarily on the development and construction of power-supply systems with a capacity of up to 50 Watt. Today's product range comprises 2 main lines:
Switching regulators
DC/DC converters
 as well as large variety of special equipment tailored to specific customer requirements.

Close cooperation with our clients has trasformed us into a reliable supplier for multicorporate enterprises in the electronic industry with a high international reputation. Due to the favourable geographic location our activities have been able to cater for all European countries from the beginning on.

Since 1994 DC/DC converters are setup as hybrids in high-build technology. Development, production and test field are all united under one roof. Modern production facilities - from the layout to the housing - guarantee quality and flexibility.
 By omitting traditional resistors, as well as processing semiconductor chips without housing and introducing hybrid technology we have been able to realise power hybrid circuits with a high packaging and performance density.

Quality assurance is supported by PC and setup in line with ultra-modern international guidelines. All equipment is subject to a burnin test or tested according to customer specifications. The parameter test is logged on a test report and made available to the customer at special request.

20 YEARS' EXPERIENCE

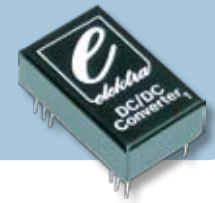
ISO 9001 certified 

CE compliance

Standard and custom - made products

CMR/CK 3 Watt

Single, dual or two outputs
 DIL24 case (20x32x10mm)
 Industry-standard and alternative pinouts
 Very low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -25 ...+85°C



Input (V)	Output		Model
	(V)	(mA)	
5±10%	5	500	CM505RA
	12	250	CM512RA
	15	200	CM515RA
	± 5	± 250	CM520RA
	± 12	± 125	CM522RA
12±10%	± 15	± 80	CM525RA
	5	600	CM605RA
	12	300	CM612RA
	15	250	CM615RA
	± 5	± 250	CM620RA
15±10%	± 12	± 125	CM622RA
	± 15	± 100	CM625RA
	5	600	CM705RA
	12	300	CM712RA
	15	250	CM715RA
24±10%	± 5	± 250	CM720RA
	± 12	± 125	CM722RA
	± 15	± 100	CM725RA
	5	600	CM805RA
	12	300	CM812RA
	15	250	CM815RA
	± 5	± 250	CM820RA
	± 12	± 125	CM822RA
	± 15	± 100	CM825RA

CMW/CKW 3 Watt

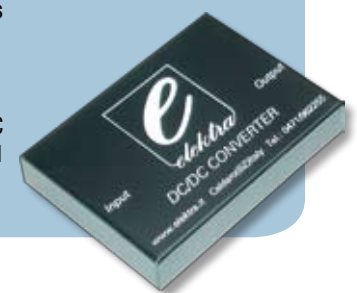
Single, dual or two outputs
 DIL24 case (20x32x10mm)
 Industry-standard and alternative pinouts
 Very low output voltage noise
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Input (V)	Output		Model
	(V)	(mA)	
9 - 18	5	600	CKW 105
	12	250	CKW 112
	15	200	CKW 115
	± 12	± 125	CKW 122
	± 15	± 100	CKW 125
18 - 36	± 15	± 80	CKW 205
	5	600	CKW 212
	12	250	CKW 215
	15	200	CKW 222
	± 12	± 125	CKW 225
36 - 72	± 15	± 100	CKW 305
	5	600	CKW 312
	12	250	CKW 315
	15	200	CKW 322
	± 12	± 125	CKW 325

SC 75 Watt

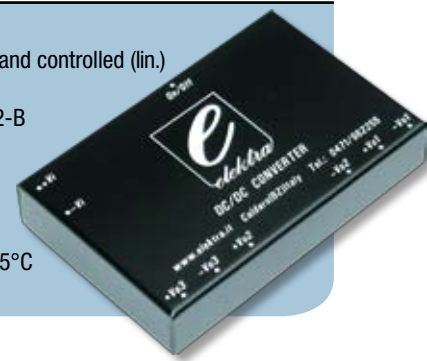
Single, dual and triple output
 Radiated: EMI / RFI: EN55022-B
 Standard and alternative pinouts
 Size: 89x64x15mm
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C
 Optional: Remote on / off control



Input (V)	Output		Model
	(V)	(A)	
9 - 18	Single output		
	5	8	SC 105
	12	6	SC 112
	24	3	SC 124
	5	8	SC 205
18 - 36	12	6	SC 212
	24	3	SC 224
	5	8	SC 305
	12	6	SC 312
	24	3	SC 324
36 - 72	Dual output		
	±12	±1,5	SC 122
	±15	±1,2	SC 125
	±12	±1,5	SC 222
	±15	±1,2	SC 225
9 - 18	Triple output		
	5/±12	5/±0,5	SC 1522
	5/±15	5/±0,5	SC 1525
	5/±12	5/±0,5	SC 2522
	5/±15	5/±0,5	SC 2525
18 - 36	5/±12	5/±0,5	SC 3522
	5/±15	5/±0,5	SC 3525
	5/±12	5/±0,5	SC 3522
	5/±15	5/±0,5	SC 3525

CF 25 Watt

Triple output
 Outputs individually isolated and controlled (lin.)
 Remote on / off control
 Radiated: EMI / RFI: EN55022-B
 Size: 80x52x15mm
 Low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C



Input (V)	Output			Model
	(V)	(mA)	(A)	
9 - 18	5/2000	12/500	12/100	CF 100
	5/2000	12/300	12/300	CF 110
	5/1000	12/900	12/100	CF 120
	5/1000	12/500	12/500	CF 130
	5/2000	15/400	15/100	CF 140
9 - 18	5/2000	15/250	15/250	CF 150
	5/1000	15/750	15/100	CF 160
	5/1000	15/400	15/400	CF 170
	5/2000	12/500	12/100	CF 200
	5/2000	12/300	12/300	CF 210
18 - 36	5/1000	12/900	12/100	CF 220
	5/1000	12/500	12/500	CF 230
	5/2000	15/400	15/100	CF 240
	5/2000	15/250	15/250	CF 250
	5/1000	15/750	15/100	CF 260
18 - 36	5/1000	15/400	15/400	CF 270
	5/2000	12/500	12/100	CF 300
	5/2000	12/300	12/300	CF 310
	5/1000	12/900	12/100	CF 320
	5/1000	12/500	12/500	CF 330
9 - 36	5/2000	15/400	15/100	CF 340
	5/2000	15/250	15/250	CF 350
	5/1000	15/750	15/100	CF 360
	5/1000	15/400	15/400	CF 370

SA 12 Watt

Single and dual output
 2"x1" case (51x25,4x10mm)
 Radiated EMI / RFI: EN55022-B
 Dual outputs: individually controlled and regulated (lin.)
 Very low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C



Input (V)	Output		Model
	(V)	(mA)	
9 - 18	5	2000	SA 105
	12	1000	SA 112
	15	800	SA 115
	± 12	± 400	SA 122
	± 15	± 300	SA 125
18 - 36	± 15	± 300	SA 205
	5	2000	SA 212
	12	1000	SA 215
	15	800	SA 222
	± 12	± 400	SA 225
36 - 72	± 15	± 300	SA 225
	5	2000	SA 305
	12	1000	SA 312
	15	800	SA 315
	± 12	± 400	SA 322
	± 15	± 300	SA 325

SB 15 Watt

Single and dual output
 2"x2" case (51x51x10mm)
 Radiated EMI / RFI: EN55022-B
 Dual outputs: individually controlled and regulated (lin.)
 Very low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C



Input (V)	Output		Model
	(V)	(mA)	
9 - 18	5	3000	SB 105
	12	1200	SB 112
	15	1000	SB 115
	± 12	± 500	SB 122
	± 15	± 400	SB 125
18 - 36	± 15	± 400	SB 205
	5	3000	SB 212
	12	1200	SB 215
	15	1000	SB 222
	± 12	± 500	SB 225
36 - 72	± 15	± 400	SB 225
	5	3000	SB 305
	12	1200	SB 312
	15	1000	SB 315
	± 12	± 500	SB 322
	± 15	± 400	SB 325

EA 50 Watt

Single output
 Radiated EMI / RFI: EN55022-B
 Size: 58x61x13mm
 Low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C
 Optional: Remote on / off control
 Remote sensing



Input (V)	Output		Model
	(V)	(A)	
9 - 18	5	6	EA 105
	12	4	EA 112
	24	2	EA 124
	5	6	EA 205
	12	4	EA 212
18 - 36	24	2	EA 224
	5	6	EA 305
	12	4	EA 312
	24	2	EA 324

EB 75 Watt

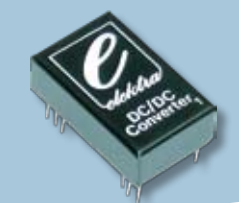
Single output
 Radiated EMI / RFI: EN55022-B
 Size: 117x61x13mm
 Low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C
 Optional: Remote on / off control
 Remote sensing



Input (V)	Output		Model
	(V)	(A)	
9 - 18	5	10	EB 105
	12	6	EB 112
	24	3	EB 124
	5	10	EB 205
	12	6	EB 212
18 - 36	24	3	EB 224
	5	10	EB 305
	12	6	EB 312
	24	3	EB 324

SRM 6 Watt

Switching regulator
 Radiated EMI / RFI: EN55022-B
 Metal case: DIL24 (20x32x10mm)
 Efficiency: 80% - 92%
 Temperature range -40 ...+85°C
 Low output voltage noise
 Input voltage range 3:1



Input (V)	Output		Model
	(V)	(mA)	
9 - 18	5	1200	SRM 105
18 - 36	5	1200	SRM 205
	12	500	SRM 212
9 - 36	5	1000	SRM 305

SRA 15 Watt

Switching regulator
 Radiated EMI / RFI: EN55022-B
 Metal case 2" x 1" (51x25,4x10mm)
 Efficiency: 80% - 92%
 Temperature range -40 ...+85°C
 Low output voltage noise
 Input voltage range 3:1



Input (V)	Output		Model
	(V)	(mA)	
9 - 18	5	3000	SRA 105
18 - 36	5	3000	SRA 205
	12	1200	SRA 212
9 - 36	5	3000	SRA 305

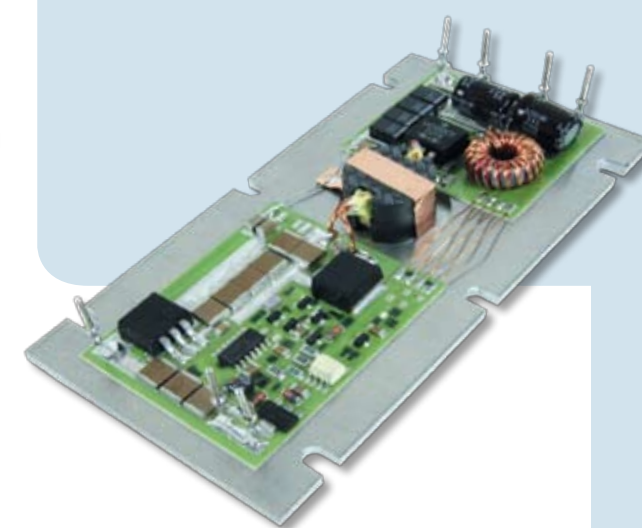
SRB 50 Watt

Switching regulator
 Radiated EMI / RFI: EN55022-B
 Low output voltage noise
 SMT on ceramic technology
 High reliability
 Temperature range -40 ...+85°C
 Efficiency: 80% - 92%
 Size: 86x41x12mm
 Optional:
 Output voltage adjustment
 Remote on / off control



Input (V)	Output		Model
	(V)	(A)	
9 - 18	5	10	SRB 105
18 - 36	5	10	SRB 205
	12	4	SRB 212
9 - 36	5	10	SRB 305

SMT on ceramic technology



GENERAL / OPTIONAL

- SMT on ceramic technology
- Metal case
- Industry and extended temperature range
- Operating temperature range: -40 / +105°C
- Storage temperature range: -40 / +125°C
- I/O isolation: up to 5000Veff
- 100% burn-in test
- 100% parameter test
- Low cost solutions
- CE marked products
- Radiated EMI / RFI: EN55022-B
- Special mechanical solution
- Wire connections
- ROHS compliant

