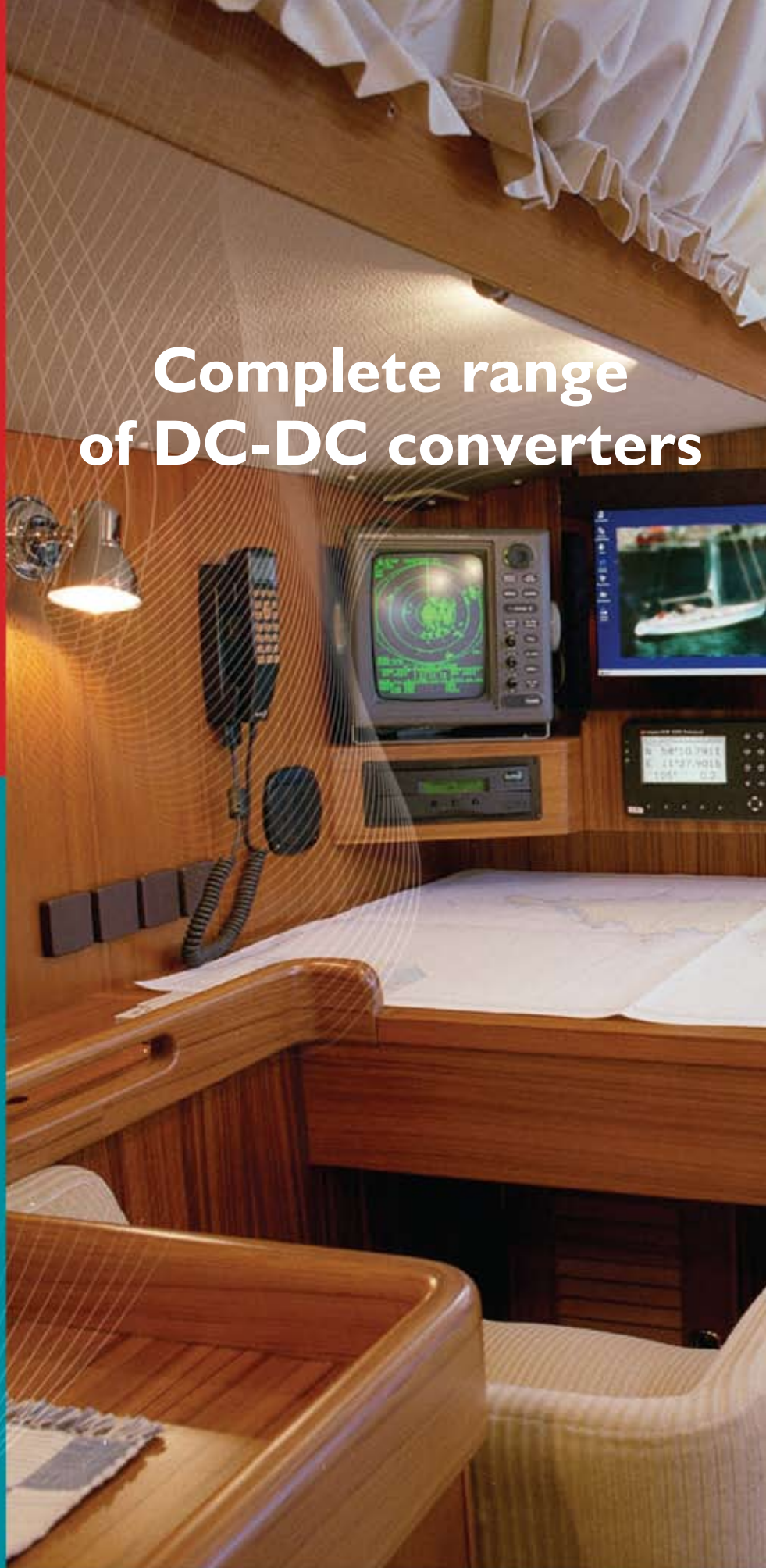


DC Master



Complete range of DC-DC converters



Best value for money

Wide input window

Stabilized output

Isolated & non-isolated
models

Easy installation

 **MASTERVOLT**

THE POWER TO BE INDEPENDENT

Technical specifications DC Master



NON-ISOLATED VERSIONS

24/12-3A

24/12-6A

24/12-12A

48/12-6A

12/24-3A

12/24-7A

Article no.	81400100	81400200	81400300	81400600	81400400	81400500
Dimensions (hwxwd in mm)	67x87x50	89x87x50	127x87x50	89x87x50	89x87x50	167x87x50
Weight	225 gr	270 gr	405 gr	415 gr	290 gr	610 gr

INPUT SPECIFICATIONS

Nominal input voltage	24 V	24 V	24 V	48 V	12 V	12 V
Input range, full output specs	20-32 V DC	20-32 V DC	20-32 V DC	40-62 V DC	10-15.5 V DC	10-15.5 V DC
Input range, no defects	0-35 V DC	0-35 V DC	0-35 V DC	0-65 V DC	0-16 V DC	0-16 V DC

OUTPUT SPECIFICATIONS

Nominal voltage	13.6 V	13.6 V	13.6 V	13.6 V	27.2 V	27.2 V
Maximum power	82 W	136 W	245 W	109 W	109 W	245 W
Nominal power	41 W	82 W	164 W	82 W	82 W	191 W
Current max. 2 minutes / continuous	6 A / 3 A	10 A / 6 A	18 A / 12 A	8 A / 6 A	4 A / 3 A	9 A / 7 A
No load consumption @ nom. input voltage	< 10 mA	< 10 mA	< 10 mA	< 15 mA	< 110 mA	< 120 mA



ISOLATED VERSIONS

24/12-3A

24/12-6A

24/12-12A

24/24-3A

24/24-7A

Article no.	81500100	81500200	81500300	81500400	81500500
Dimensions (hwxwd in mm)	89x87x50	127x87x50	167x87x50	127x87x50	185x87x50
Weight	290 gr	410 gr	590 gr	590 gr	820 gr

INPUT SPECIFICATIONS

Nominal input voltage	24 V	24 V	24 V	24 V	24 V
Input range, full output specs	20-32 V DC	20-32 V DC	20-32 V DC	20-32 V DC	20-32 V DC
Input range, no defects	0-35 V DC	0-35 V DC	0-35 V DC	0-35 V DC	0-35 V DC

OUTPUT SPECIFICATIONS

Nominal voltage	13.6 V	13.6 V	13.6 V	27.2 V	27.2 V
Maximum power	82 W	136 W	245 W	109 W	245 W
Nominal power	41 W	82 W	164 W	82 W	191 W
Current max. 2 minutes / continuous	6 A / 3 A	10 A / 6 A	18 A / 12 A	4 A / 3 A	9 A / 7 A
No load consumption @ nom. input voltage	< 10 mA	< 10 mA	< 10 mA	< 25 mA	< 25 mA

GENERAL SPECIFICATIONS

Stabilised	yes
Temperature range	according specifications: 0 to 30 °C, thereafter linear derating till 80 °C / storage temperature : -25 °C to 85 °C
Operating humidity	95% max., non condensing
Connections input/output	faston
Cabinet	anodised aluminium, glass filled pc, dust and water resistance to IP53
Markings	CE and E marked; e11 020894, e13 023114
Complete package	all DC Master converters come with a mounting bracket, screws and fastons

Subject to alterations. For more information please visit www.mastervolt.com/dcmaster