

INTERGY DC PRODUCT SPECIFICATIONS

INTERGY DCM1000/1600/2400 Series: 2A - 1000A, 4U

MODEL SELECTION

Model	Load MCBS	Battery MCBS*	LVD*
DCM1010	up to 10 × NC100 type (10 A–100 A)	up to 4 × NC100 type (63 A–100 A)	1 x 400 A
DCM1600	up to 16 × NC100 type (10 A–100 A)	–	1 x 400 A or 2 x 400 A
DCM1610	up to 16 × C60 type (2 A–63 A)	up to 4 × NC100 type (63 A–100 A)	1 x 400 A
DCM2400	up to 24 × C60 type (2 A–63 A)	–	1 x 400 A or 2 x 400 A

*Optional

ELECTRICAL SPECIFICATIONS

Voltage Range: 8.7 V - 70 V (+ or - earth)

Maximum Current: 1200 A @ 50°C [122°F]

MCB Current Ratings

C60 type: 2A, 3A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
NC100 type: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A

MCB Fault Rating

C60 type: 15 kA @ 60 V DC
NC100 type: 20 kA @ 60 V DC

Current Measurement

DCM1010/DCM1610: Load and Battery current shunts, 500 A maximum
Current shunts included
DCM1600/DCM2400: Current shunts fitted in optional BUS400 kit
(required for Intergy 1000 and 2000 Systems only)

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In the interests of continual product improvement all specifications are subject to change without notice.

Performance ratings are valid with all other variables at Nominal. Specifications guaranteed over operating range.

ALARMS

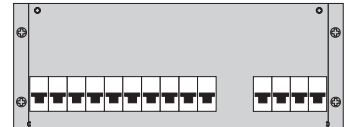
Load MCB Fail Alarm: Electronic type with load detection, RJ45 output connection to Supervisory Module

Battery MCB Fail Alarm: Auxillary contacts, RJ45 output connection to Supervisory Module

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature

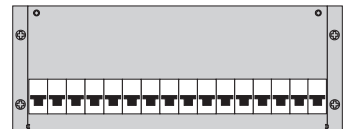
Nominal: $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ [$77^{\circ}\text{F} \pm 9^{\circ}\text{F}$]
 Rated Operating Range: -10°C to $+50^{\circ}\text{C}$ [14°F to 122°F]
 (MCBs must be derated above 40°C [104°F])



DCM1010 Series
(with optional battery MCBS)

Humidity

Nominal: $50\% \pm 10\%RH$
 Range: $<95\%RH$ (Non-condensing)



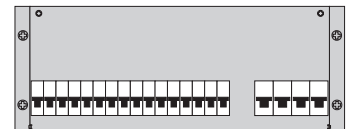
DCM1600 Series

MECHANICAL

Dimensions H, W, D: 177 mm (4U), 480 mm, 165 mm
 [7.0" (4U), 19" mounting, 6.5"]

MCB Width

C60 type: 18 mm
 NC100 type: 27 mm



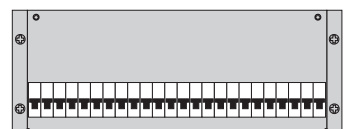
DCM1610 Series
(with optional battery MCBS)

Load Cable Terminations

Common: M8 bolts supplied
 C60 type MCBS (3 A - 25 A): 25 mm² maximum conductors
 C60 type MCBS (32 A - 63 A): 35 mm² maximum conductors
 NC100 type MCBS (10 A - 63 A): 35 mm² maximum conductors
 NC100 type MCBS (80 A - 100 A): 50 mm² maximum conductors

Battery Cable Terminations

Common: M8 bolts supplied
 NC100 type MCBS (63 A): 35 mm² maximum conductors
 NC100 type MCBS (80 A - 100 A): 50 mm² maximum conductors
 Battery MCBS not fitted: 50 mm² maximum conductors



DCM2400 Series

OPTIONS

Load and Battery Busbar Kit (BUS400)

Includes Load and Battery current shunts (400 A maximum)

DCM1010/DCM1610:	BUS400 is not required
DCM1600/DCM2400:	BUS400 is required for Intergy 1000 and 2000 Systems only

Low Voltage Disconnect (LVD)

400A single or double unit, controlled from Supervisory Module

DCM1010/DCM1610:	LVD400-10 (1 x 400 A) or LVD402-10 (2 x 400 A)
DCM1600/DCM2400:	LVD400-00 (1 x 400 A) or LVD402-00 (2 x 400 A)

COMPLIANCES

Safety: EN 60950, AS/NZS 3260

EMC - immunity

Electrostatic discharge	EN 61000-4-2
Radiated radio frequency	EN 61000-4-3
Electrical fast transients	EN 61000-4-4

CERTIFICATIONS

DCM1000/1600/2400: CE-mark



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