

The New CBI Battery Storage MCB Range

DD Frame with Remote Actuator



Supply voltage
15 Vdc to 80 Vdc

CB ratings up to 100 A ac
to 300 A dc

Can be paired with up to
3 Pole DD Frame circuit
breakers

Selectable between remote
or manual operation

Can be supplied from
system line voltage or
stand-alone source

Actuation of circuit breaker
occurs internally

Applications include:

Telecommunications, railways,
solar, system automation,
battery storage; switching
operations in distant,
unreachable or unsafe
environments.

For full technical data on the CBI DD Frame Range contact CBI or visit cbi-electric.com.au
DD Frames are listed on our site under Products > CBI > CBE Circuit Breakers for Equipment.

Actuation Signal Voltage

High (ON)	Minimum 3.3 Vdc to Maximum 12 Vdc
Low (OFF)	Minimum 0.0 Vdc to Maximum 0.5 Vdc



Battery Storage MCB Range

Next Generation Circuit Breakers
for Protection and Isolation



SALES OFFICES: VIC | WA

Head Office 27 Wedgewood Rd, Hallam VIC 3803

HEINELEC
CIRCUIT PROTECTION

SLEGGERS
GET CONNECTED

CBI electric
Australia

HEINEMANN ELECTRIC PTY LTD

CBI-ELECTRIC AUSTRALIA P 1800 770 870 E sales@cbi-electric.com.au W www.cbi-electric.com.au

Innovative, Robust, Reliable and Efficient Protection



HEINEMANN ELECTRIC PTY LTD
HEINELEC
CIRCUIT PROTECTION
SLEGGERS
GET CONNECTED

The New CBI Battery Storage 80Vdc MCB Range

QT & Enclosure

**ENCLOSURES
IP67 UV RATED**



CBI's new hydraulic magnetic Battery Storage MCB Range sets a new standard in renewable energy and ensures that the batteries in the installation are protected and disconnected in the safest possible manner.

QT Range Description	Catalogue Number
4P (2*2P) 160A or 250 A 80 Vdc MCB busbar set, IP67 enclosure and padlockable lockdog	QSBS160 / QSBS250
2P 100 A 80Vdc MCB, IP67 enclosure and padlockable lockdog	QSBS100
2P 125 A 80Vdc MCB, IP67 enclosure and padlockable lockdog	QSBS125
4P (2*2P) 160A or 250 A 80 Vdc MCB with busbar and lockdog	QT160 / QT250
2P 100A 80Vdc MCB with lockdog	QT100
2P 125 A 80Vdc MCB with lockdog	QT125

Technical Data



Equipment Type	DC MCB
Application	Solar (Battery Protection & Switching)
Standards	IEC 60947-2, UL489A
Number of Poles	2 Pole & 4 Pole
Rated Breaking Capacity (Icu)	10kA
Standard Ampere Rating (A)	100A, 125A, 160A & 250A
Rated Voltage (DC)	80 Volts DC
Frequency (Hz)	DC
Impulse Withstand Voltage (kV)	4kV
Operating Principal	Hydraulic Magnetic
Tripping Curves Characteristics	U2 - Medium Delay (Similar to C Curve)
Maximum Conductor Size	95mm ² when units are bridged in parallel by means of busbars 50mm ² (when terminating direct to breaker terminals)
Busbar to Breaker Torque	2.5Nm All busbar to breaker terminals to be of equal torque 4Nm (when terminating direct to breaker terminals)
Mechanical operations	10,000
Electrical operations	1500 at rated current and voltage (IEC 60947-2)
Mounting options	Dual mounting (DIN & mini rail)
Certification	IEC/EN 60947-2 (VDE), UL489A, VC 8036 (certification pending), CE
Operating Temperature	-40°C to 85°C
Utilization category	A (IEC 60947-2)
Suitability for isolation	Suitable
Bridging bars	Supplied by CBI where required