

## 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](http://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

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HEINELEC  
CIRCUIT PROTECTION

SLEGGERS  
GET CONNECTED

CBI electric  
Australia

HEINEMANN ELECTRIC PTY LTD

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Innovative, Robust, Reliable and Efficient Protection

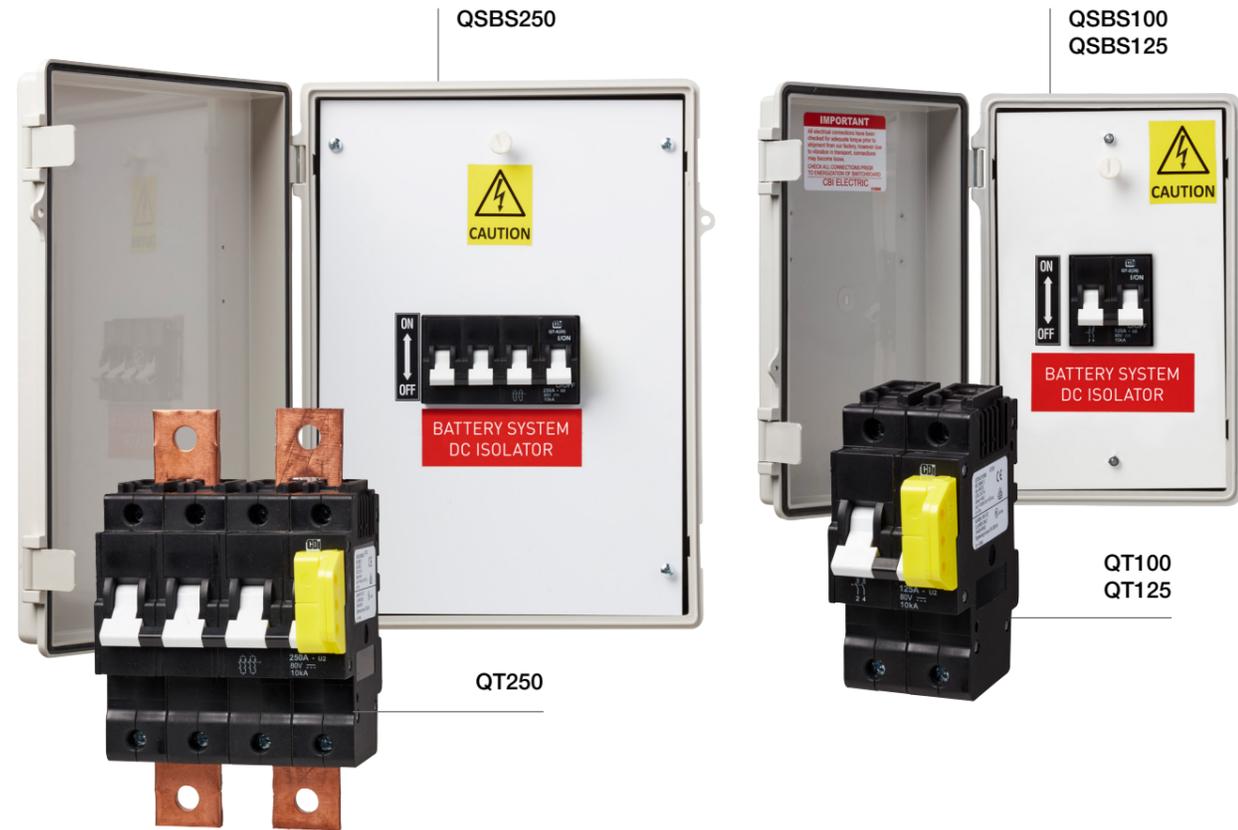


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# The New CBI Battery Storage 80Vdc MCB Range

## 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) 250 A 80 Vdc MCB busbar set, IP67 enclosure and padlockable lockdog	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) 250 A 80 Vdc MCB with busbar and lockdog	QT250
2P 100A 80Vdc MCB with lockdog	QT100
2P 125 A 80Vdc MCB with lockdog	QT125

## Technical Data



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