

EATON – 800 V AC DISTRIBUTION

This document provides a consolidated overview of Eaton low-voltage circuit breakers commonly specified for 800 V AC solar and industrial distribution systems.

MOLDED CASE CIRCUIT BREAKERS (MCCB)

Parameter	Range / Details
Applicable systems	800 V AC distribution (IEC Ui up to 1000 V AC)
Current range	16 A – 1600 A
Breaking capacity	Up to 100 kA (voltage dependent)
Poles	3P / 4P
Mounting options	Fixed / plug-in
Typical placement	Inverter output, AC combiner, feeder protection

AIR CIRCUIT BREAKERS (ACB)

Parameter	Range / Details
Applicable systems	800 V AC distribution (IEC rated up to 1000 V AC)
Current range	800 A – 6300 A
Breaking capacity	Up to 100 kA (voltage dependent)
Poles	3P / 4P
Mounting options	Drawout / fixed
Typical placement	Main incomer, LV switchboard, large inverter blocks

Note: Final breaker selection must be verified against Eaton voltage-specific interrupting ratings and coordination requirements.