

TAMCO

K80

Low Voltage Main Switchboard and Motor Control Centre

The Benefits of the K80

When you specify the K80 designed and manufactured in Australia by Tamco Electrical Industries, you'll gain a range of benefits, including:

Quality & Reliability

Performance assured, the K80 carries full ASTA type test certificates and meets or exceeds Australian Standards AS1136, IEC 439.1 and BS EN 60439.1.

Versatility

Suitable for a range of applications, the basic unit is extendable both ends and can be configured for individual applications with the options shown overleaf.

Simple Installation and Operation

Designed to reduce costs and increase productivity, the standard key features of the K80 are:

MSB

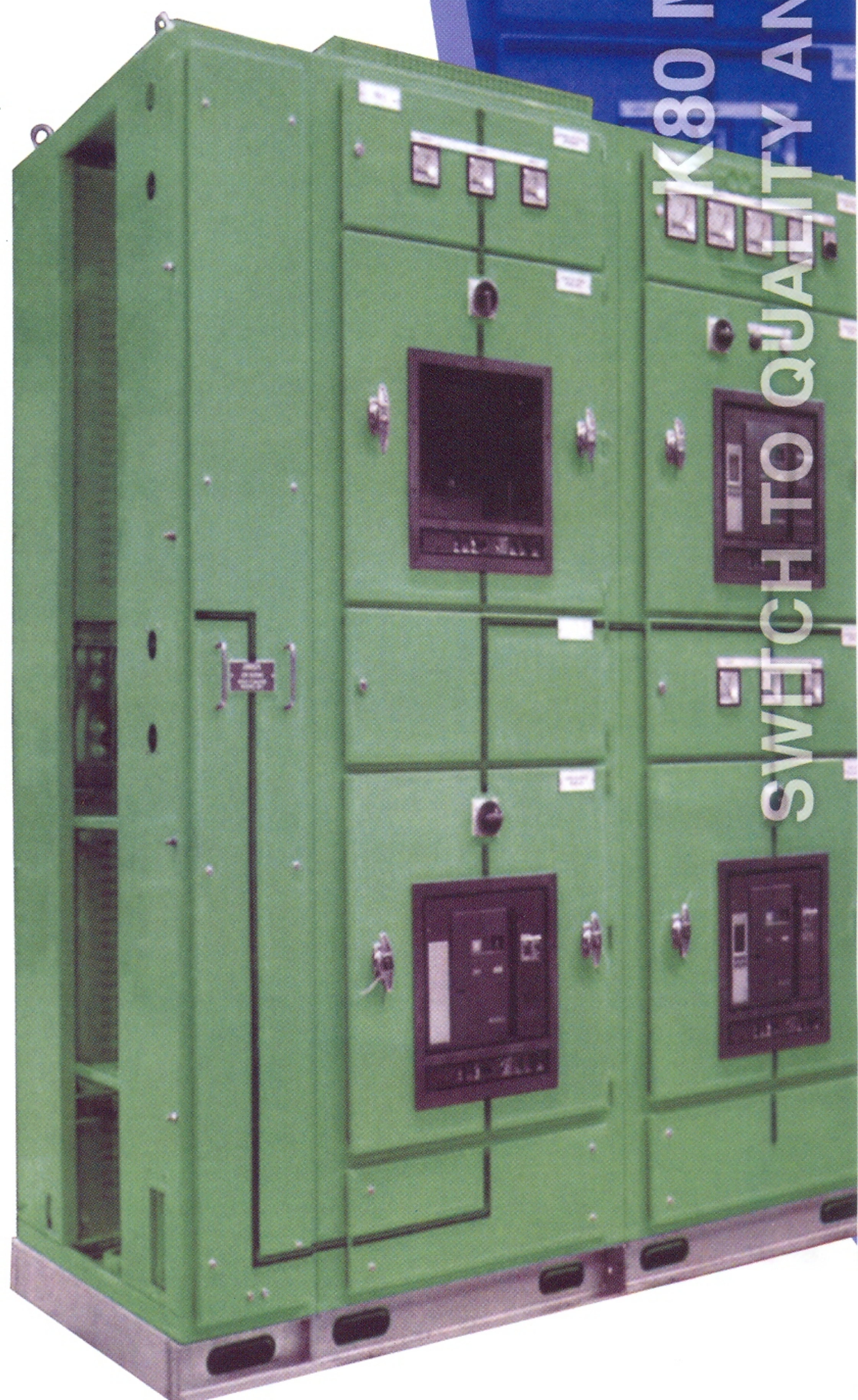
- Main Bus System up to 3200 Amps, 80kA/1 second.
- Withdrawable ACB's for ease of replacement and interchanging.
- Large space for cable termination.
- Earth and Neutral Bars provided full length of the Main Switchboard.

MCC

- Main Bus System up to 2500 Amps, 63kA/1 second.
- Demountable, fully withdrawable motor control modules and feeders for easy replacement and interchanging
- Top or bottom entry
- Type 2 coordination

Safety

Arc Fault containment testing to AS 3439.1 appendix "EE" ensures optimum safety.



K80 MSB & K80 MCC
SWITCH TO QUALITY AND PERFORMANCE

K80 Low Voltage MSB and MCC

STANDARD INCLUSIONS

- Form 3b or Form 4a/4b Construction
- Extendable both ends
- Painted with Polyester Electrostatic Powder Coat, RAL 7032 Stipple

OPTIONAL FEATURES

K80MSB

- Rear Access / Rear Connect
- A) IP54 Rating Indoor MSB
- B) IP56 Rating Outdoor MSB
- Main Bus Bar System can be fully insulated
- Main Bus Bar available in 5000 Amp Rating (by calculations)
- Other powder coating colours and finishes available
- Stainless steel enclosure
- Arc fault detection

K80MCC

- Extra wide Cableway 400mm
- Form 3, 3a construction
- A) IP54 Rating Indoor MCC
- Main Bus Bar rating 4800A
- Other powder coating colours and finishes available

K80 Main Switchboard and Motor Control Centre

STANDARD CHARACTERISTICS	K80 MCC	K80 MSB
1. Type	Indoor, single sided or back-to-back design	Indoor, single sided or back-to-back design
2. Compliance with Standards	AS 1136, AS 3439.1, IEC 439.1, BS EN 60439.1	AS 1136, IEC 439.1, BS EN 60439.1
3. Number of phases	Up to 4	Up to 4
4. Number of poles	Up to 4	Up to 4
5. Rated frequency (Hz)	50	50
6. Rated Voltage (V)	415	415
7. Highest Voltage for equipment (V)	690	690
8. Rated Current of Main Bus Bar (A)	Up to 2500	Up to 3200
9. Rated Current of Vertical Bus Bar (A)	Up to 1000	N/A
10. Short time Current for 1 second (kA)	63	80
11. Short circuit capacity for 3 seconds (kA)	50	50
12. Minimum Impulse Voltage Withstand (kV)	6	6
13. Form of segregation	3b, 4	3b, 4
14. Degree of protection	IP42	IP42
15. Type of modules	Fixed; Demountable; Fully withdrawable	Fixed; Demountable; Fully withdrawable
16. Minimum module size	Size 2	N/A
17. Diversity factor	1	1
18. Incoming/outgoing cable entry	Top/Bottom	Top/Bottom
19. Connections	From the front or back	From the front or back
20. Cabinet Construction	2mm zinc steel with 3mm formed base	2mm mild steel with 100mm high plinth
21. Tier Dimensions (mm)	800 (W), 2300 (H), 460 (600 back-to-back) (D)	800 to 1200 (W), 2300 (H), 1100 (D)



(6614-W)

TAMCO CORPORATE HOLDINGS BERHAD

Lot 2A, Jalan 13/2, 46200 Petaling Jaya, Selangor,
West Malaysia

Tel : (03) 7956 2799 • Fax : (03) 7955 6009

email : tamco@tamco.com.my

website : www.tamco.com.my

TAMCO ELECTRICAL INDUSTRIES

AUSTRALIA PTY LTD.

Tel : +61 3 9706 7288

Fax : +61 3 9706 9112

email : sales@tamcoaustralia.com.au

website : www.tamcoaustralia.com.au

The information contained herein is correct at the time of going to press, but as the products and its manufacturing processes are being developed continuously, this information is subject to change without notice, and the company cannot be held responsible for any alleged misrepresentation howsoever arising.