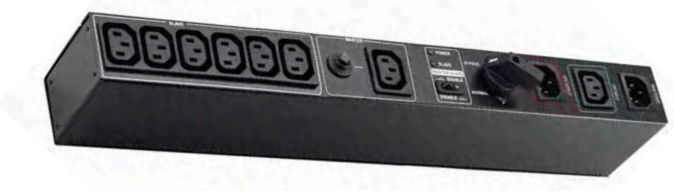
Maintenance Bypass Switches

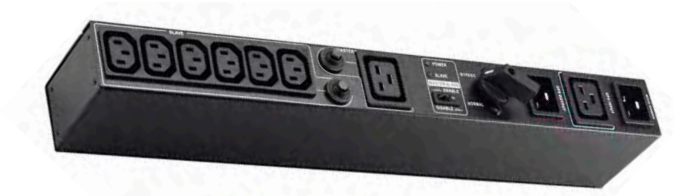
Maintenance Bypass, Hot Swap and PDU

Suites all UPS up to 3kVA

- No downtime. Routine maintenance can be performed during normal hours by simply switching the MBS to the "Bypass" position. The load is then fed directly from mains power while maintenance is performed or the UPS is replaced all without interruption.
- PDU (power distribution unit). The MBS has six outlets for distribution to your load. See spec below
- Rackmount. It can be mounted both horizontally or vertically (0RU) into a rack
- Wallmount as an option either vertically or horizontally to a wall
- Suitable for both line interactive and true online double conversion topologies



PSMBS2K



PSMBS3K

Power Shield are pleased to be able to offer a comprehensive range of MBS (Maintenance Bypass Switches) suitable for all UPS applications. An inclusion of a MBS is recommended for all critical power applications.

A correctly designed MBS enables a technician to perform maintenance on a UPS during normal office hours and without having to shut down your critical electrical load while doing so. While in the "Bypass" position the UPS will still receive power from the mains so that the technician can perform maintenance procedures while the load continues to be supplied by raw mains.

In the "Bypass & Isolate" position the UPS can be safely removed from service (if need be) while a new UPS is once again safely installed and all this without interrupting the power supply to the load.

While we offer a standard range of MBS's, we also offer customised solutions to suite the specific project.

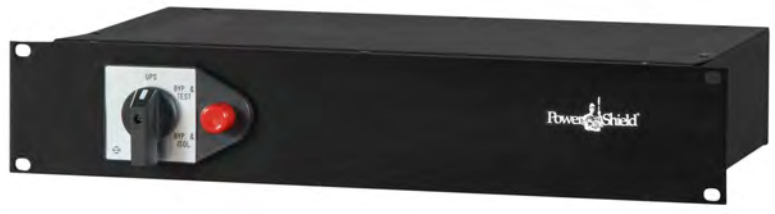
MBS for PowerShield UPS 1-3kVA

Model	PSMBS2K	PSMBS3K
UPS Rating	1-2kVA	3kVA
Input - plug	10Amp (Australian)	15Amp (Australian)
- lead	10Amp Australian lead (x1)	15Amp Australian lead (x1)
Output - Master sockets	IEC 10Amp (x1) (Not used)	IEC 16Amp (x1)
- Slave sockets	IEC 10Amp (x6)	IEC 10Amp (x6)
- UPS leads	IEC 10A-10A cable (x2)	IEC 16A-16A cable (x2)
Dimensions (D x W x H)	(80 x 440 x 50)mm	(80 x 440 x 50)mm

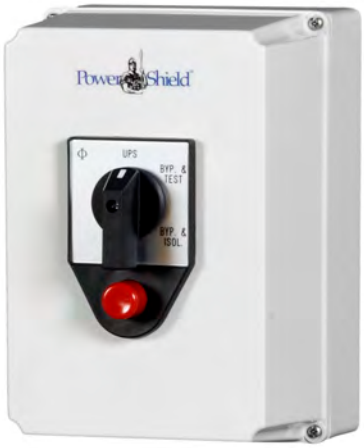
Maintenance Bypass and Hot Swap

Suites all Centurion UPS from 6kVA to 20kVA

- Three positions: "UPS", "Bypass", "Bypass & Isolate"
- No downtime. Routine maintenance can be performed during normal hours by simply switching the MBS to the “Bypass” position. The load is then fed directly from mains power while maintenance is safely performed on the UPS.
- UPS can be completely and safely removed from the circuit simply by switching the MBS to the “Bypass & Isolate” position. The load is then fed directly from the mains power and at the same time there is no voltage present at the UPS inputs or outputs so it is safe to work on
- Mechanical interlock is standard. This eliminates the possibility of incorrect switching sequences and hence possible damage to the UPS and injury to personnel
- The MBS is “Make Before Break.” Therefore there will be no power interruption to your load while the MBS is being operated



PSCERMBS6K



PSCEMBS10K

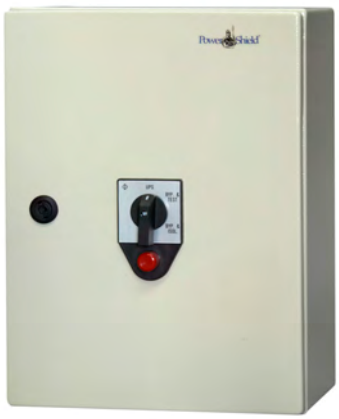
MBS for PowerShield Centurion's 1-20KVA

Model	PSCEMBS6K	PSCERMBS6K	PSCEMBS10K	PSCERMBS10K	PSCEMBS10K3/1	PSCEMBS20K3/1
UPS Rating	6kVA	6kVA	10kVA	10kVA	10kVA	20kVA
Input (Nominal)	240Vac	240Vac	240Vac	240Vac	240/415Vac	240/415Vac
Input plug	Hard Wire					
Output (Nominal)	240Vac					
Output sockets	Hard Wire					
Style	Wallmount	Rackmount	Wallmount	Rackmount	Wallmount	Wallmount
Dimensions (D x W x H)	(150 x 290 x 200)mm	(430 x 90 x 200)mm	(150 x 290 x 200)mm	(430 x 90 x 200)mm	(220 x 300 x 150)mm	(300 x 400 x 200)mm

Customised Maintenance Bypass Switch (MBS)

Because there are so many possible variations that can be applied to the way an MBS is to function, our engineering team will design a solution to suite you, our customer. Our customised solutions will include all options, eg Wrap Around or Change Over, 2, 3, 4 or 5 positions, mechanical interlock or solenoid. Whatever is required.

For customised solutions please feel free to contact one of our friendly engineers.



PSMBS (customised)