

# PowerShield Maintenance Bypass Switches & PDU Combinations

Combination MBS+PDU (2kVA, 3kVA) | MBS & Optional PDU (10kVA) | Wall Mount MBS Range (6-100kVA)



PowerShield offers a versatile range of MBS solutions (Maintenance Bypass Switch) and PDUs (Power Distribution Units) for all types of UPS applications.

A correctly designed MBS enables a technician to perform maintenance on a UPS at any time, without interruption to normal business operations with no need to shut down your critical electrical load. While in the "Bypass" position the UPS will still receive power from the mains (or alternative power source) so that the technician can perform maintenance procedures, without interruption to the load.

In the "Bypass and Isolate" position there is no voltage present at the input and output terminals of the UPS. Hence in this position, a trained technician can safely work on components within the UPS. Also, if need be the UPS can be safely removed and replaced, without danger to the technician and without interruption to the load.

## MBS + Hot Swap PDU

For PowerShield UPSs 0-3kVA



PSMB52K and PSMB53K

### Features:

- No downtime. Routine maintenance can be performed at any hour
- A PDU (Power Distribution Unit) with 7 outlets for distribution to your load
- Rackmount - MBS can be mounted both horizontally or vertically (ORU) into a rack
- Wallmount option, vertically or horizontally
- UPS Mountable. Designed to attach to PowerShield Centurion RT and Commander RT ranges.
- Suitable for all UPS topologies including offline, line interactive and true online double conversion

### MBS for Power Shield UPS 0-3KVA

Model Number	PSMB52K	PSMB53K
UPS Rating	1-2KVA	3KVA
Input connector - plug	10A IEC 320 C14	16A IEC 320 C20
Input lead (x1)	10Amp Australian Plug to IEC 320 C13	15Amp Australian Plug to IEC 320 C19
Output - sockets (Load)	10A IEC 320 C13 (x7)	10A IEC 320 C13 (x6) 16A IEC 320 C19 (x1)
UPS Input/Output leads	IEC 10A cable (x2)	IEC 16A cable (x2)
Dimensions D x W x H (mm)	80 x 440 x 50	80 x 440 x 50



Rack Mounted



Wall Mounted  
Horizontal or Vertical



UPS Mounted



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



## Rack Mount MBS & Optional PDU

For PowerShield UPSs 6-10kVA

Three modes of operation: UPS, Bypass and Bypass & Isolate

### Features:

- Mechanical safety microswitch with static bypass activation is standard. This eliminates the possibility of incorrect switching sequences and hence possible damage to the UPS and injury to personnel
- Optional PDU available to connect 10A/15A devices through IEC distribution outlet sockets



MBS for Power Shield UPS 6-10KVA		(optional PDU)
Model Number	PSMBSR10K	PSPDU10K
UPS Rating	6 - 10KVA	6 - 10KVA
Input (Nominal)	240Vac	240Vac
Input plug	Hard Wire	
Output (Nominal)	240Vac	
Output sockets	Hard Wire	10A IEC 320 C13 (x8) , 16A IEC 320 C19 (x4)
Style	Rackmount	Rackmount
Dimensions (D x W x H) mm	254x433x88mm	70x433x88mm



## Wall Mount MBS

For PowerShield UPSs 6-100kVA

Three positions: UPS, Bypass and Bypass & Isolate

### Features:

- Mechanical interlock.



MBS for Power Shield UPS 6-20KVA				
	1 Phase in / 1 Phase Out		3 Phase in / 1 Phase Out	
Model Number	PS1MBSWPB6K	PS1MBSWPB10K	PS3-1MBSWPB10K	PS3-1MBSWPB20K
UPS Rating	6KVA	10KVA	10KVA	20KVA
Input (Nominal)	240Vac	240Vac	240/415Vac	240/415Vac
Input plug	Hard Wire			
Output (Nominal)	240Vac	240Vac	240Vac	240Vac
Output sockets	Hard Wire			
Style	Wallmount	Wallmount	Wallmount	Wallmount
Dimensions (L x W x H) mm	150x290x200	150x290x200	220x300x150	300x400x200

MBS for Power Shield UPS 6-120KVA							
	3 Phase in / 3 Phase Out						
Model Number	PS3MBSWPB10K	PS3MBSWPB20K	PS3MBSWPB30K	PS3MBSWPB40K	PS3MBSWPB60K	PS3MBSWPB80K	PS3MBSWPB100K
UPS Rating	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA
Input (Nominal)	240/415Vac (3Ph + N)						
Input plug	Hard Wire						
Output (Nominal)	240/415Vac (3Ph + N)						
Output sockets	Hard Wire						
Style	Wall Mount						
Dimensions (H x W x D) mm	310 x 240 x 160	310 x 240 x 160	400 x 300 x 210	300 x 300 x 210	400 x 400 x 300	500 x 500 x 210	500 x 500 x 210

## 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 suit 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 contact one of our dedicated engineers.