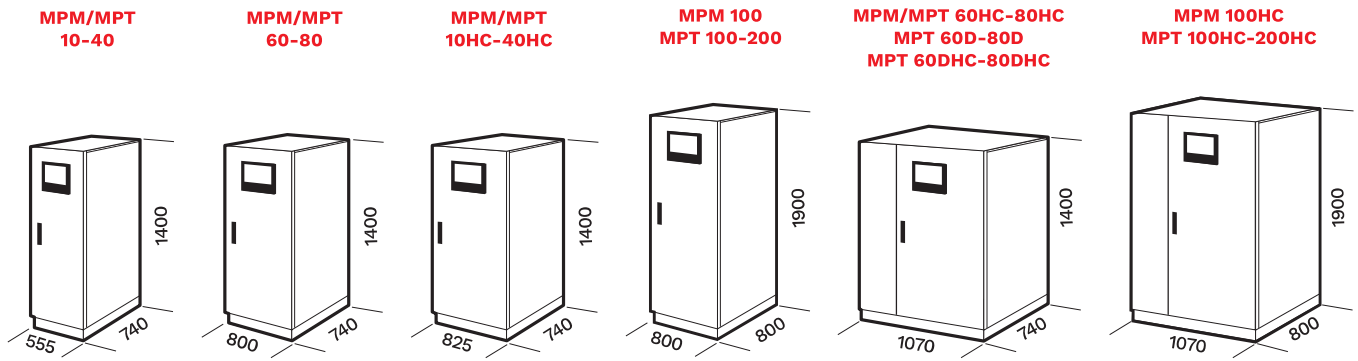


DIMENSIONS



D= Twelve-pulse rectifier version
 HC= Version with 5th or 11th harmonic filter.

DUAL BUS CONFIGURATION

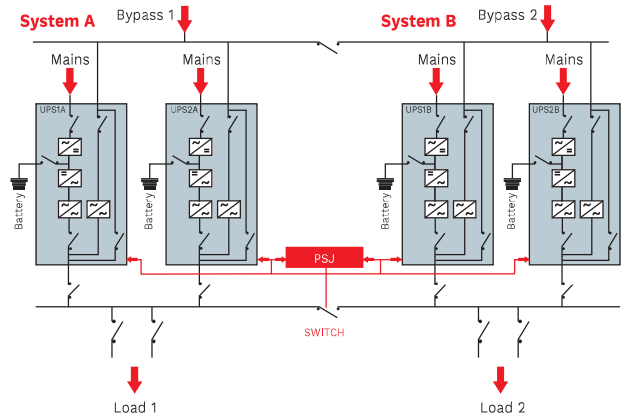
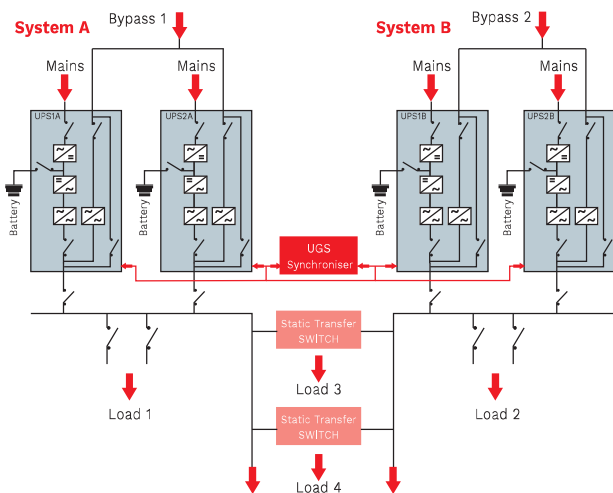
Solution to ensure redundancy through synchronization of two power buses and improving STS operation.

+ Downstream fault discrimination

DYNAMIC BUS CONFIGURATION

Solution to ensure redundancy of the power supply even during maintenance.

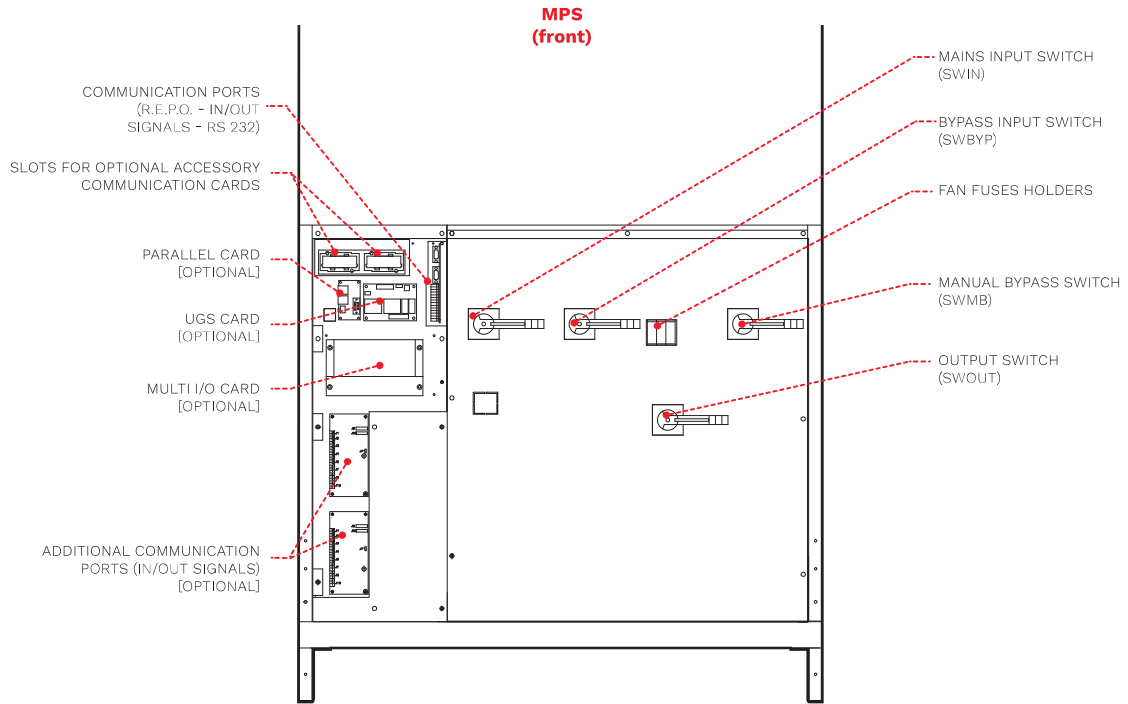
+ High availability and redundancy



MPT 200 with open doors.



DETAILS



OPTIONS

SOFTWARE

PowerShield³
PowerNetGuard

ACCESSORIES

NETMAN 208
MULTICOM 302
MULTICOM 352
MULTICOM 411
MULTICOM 421

MULTI I/O

MULTIPANEL

MBB 100 A 2P

MBB 125 A 4P

MBB 400 A 4P

PRODUCT ACCESSORIES

Battery temperature sensor
5th or 11th harmonic filter (HC)
Bypass isolation transformer

Synchronisation device (UGS)

Hot connection device (PSJ)

Cold Start

Parallel Kit

Battery temperature sensor

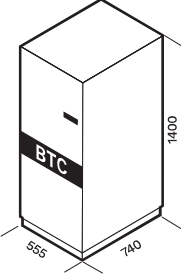
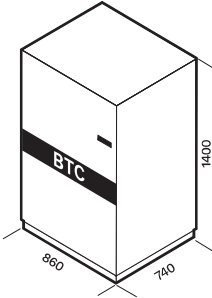
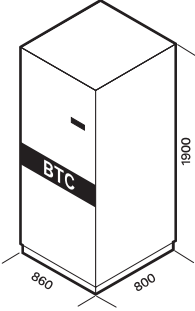
Top Cable Entry cabinet

IP rating IP21, IP31/IP42 on request

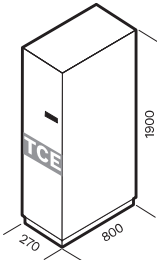
ENERGYMANAGER

Power Absorber (PWA)

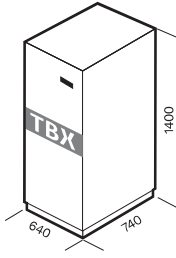
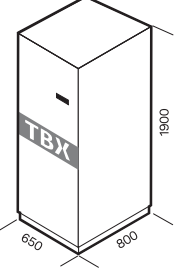
BATTERY CABINET

MODELS	BTC 1400 384V BB B1 2F BTC 1400 384V AB B1 2F	BTC 1400 384V BB B2 5F BTC 1400 384V BB B3 5F BTC 1400 384V BB B4 5F BTC 1400 384V AB B4 5F	BTC 1900 396V BB L6 3T BTC 1900 396V BB L7 3T BTC 1900 396V BB L8 3T BTC 1900 396V BB L9 3T BTC 1900 396V AB L9 3T
UPS MODELS	MPT 10-60 / MPM 10-60	MPT 10-80 / MPM 10-80	MPT 100-200 / MPM 100
Dimensions [mm]			

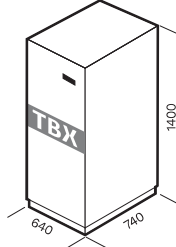
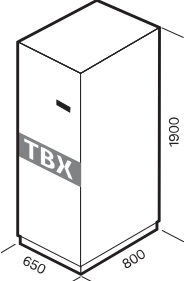
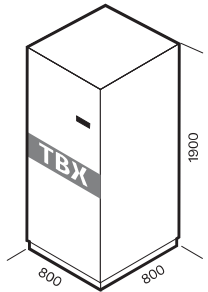
CABINETS WITH TOP ACCESS FOR CABLES

MODELS	MPT TCE 100-200
UPS MODELS	MPT 100-200 / MPM 100
Dimensions [mm]	

SINGLE-PHASE ISOLATION TRANSFORMERS

MODELS	TBX ISO 10 M TBX ISO 80 M	TBX ISO 100 M
UPS MODELS	MPM 10-80	MPM 100
Dimensions [mm]		

THREE-PHASE ISOLATION TRANSFORMERS

MODELS	TBX ISO 10 T Dyn11 TBX ISO 80 T Dyn11	TBX ISO 100 T Dzn0 TBX ISO 160 T Dzn0	TBX ISO 200 T Dzn0
UPS MODELS	MPT 10-80 / MPM 10-80	MPT 100-160 / MPM 100	MPT 200
Dimensions [mm]			

MODELS	MPM 10 ^{BAT}	MPM 15 ^{BAT}	MPM 20 ^{BAT}	MPM 30	MPM 40	MPM 60	MPM 80	MPM 100	
INPUT									
Rated voltage [V]	380 / 400 / 415 three-phase								
Voltage tolerance [V]	400 +20% -25% @ full load ¹								
Frequency [Hz]	45 - 65								
Soft start	0 - 100% in 120 s (selectable)								
BYPASS									
Rated voltage [V]	220 / 230 / 240 single-phase + N								
Rated frequency [Hz]	50 or 60 (selectable)								
Permitted frequency tolerance	±2% (selectable from ±1% to ±5%)								
Standard equipment provided	Backfeed protection; separable bypass line								
OUTPUT									
Nominal power [kVA]	10	15	20	30	40	60	80	100	
Active power [kW]	9	13.5	18	27	36	54	72	90	
Number of phases	1 + N								
Rated voltage [V]	220 ¹ / 230 / 240 single-phase + N (selectable)								
Static stability	±1%								
Dynamic stability	EN 62040-3 class performance 1 non-linear load								
Voltage distortion	<1% with linear load / <3% with non-linear load								
Crest factor [I _{peak} /I _{rms}]	3:1								
Frequency stability on battery	0.05%								
Frequency [Hz]	50 or 60 (selectable)								
Overload	110% for 60 min; 125% for 10 min; 150% for 1 min								
BATTERIES									
Type	VRLA AGM/GEL/NiCd/Li-ion/SuperCaps								
Recharging method	One level, Two level, Cyclic recharge (selectable)								
Battery arrangement (parallel systems)	Separate/Common								
OVERALL SPECIFICATIONS									
Weight without batteries [kg]	200	220	230	255	302	416	616	665	
Dimensions (WxDxH) [mm]	555x740x1400					800x740x1400		800x800x1900	
Remote signals	1x opto insulated Input and 3x relays Outputs								
Auxiliary signals	R.E.P.O. - External manual bypass - External output switch								
Communications	UPS status LEDs - Graphic display - 2 slots for communications interface - 2x RS232								
Ambient temperature for the UPS	0 °C - +40 °C								
Recommended temperature for battery life	+20 °C - +25 °C								
Range of relative humidity	5-95% non-condensing								
Colour	RAL 7016								
Noise level at 1 m [dBA ±2] ECO Mode	60			62			65		
IP rating	IP20								
ECO Mode efficiency	up to 98%								
Standards	European directives: LV 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant Classification in accordance with IEC 62040-3 (Voltage frequency Independent) VFI - SS - 111								
Moving the UPS	Pallet jack								

¹ For wider tolerance conditions apply.

^{BAT} Also available with internal batteries.

MODELS	MPT 10 ^{BAT}	MPT 15 ^{BAT}	MPT 20 ^{BAT}	MPT 30	MPT 40	MPT 60	MPT 80
INPUT							
Rated voltage [V]	380 / 400 / 415 three-phase						
Voltage tolerance [V]	400 +20% -25% @ full load ¹						
Frequency [Hz]	45 - 65						
Soft start	0 - 100% in 120 s (selectable)						
BYPASS							
Rated voltage [V]	380 / 400 / 415 three-phase + N						
Rated frequency [Hz]	50 or 60 (selectable)						
Permitted frequency tolerance	±2% (selectable from ±1% to ±5%)						
Standard equipment provided	Backfeed protection; separable bypass line						
OUTPUT							
Nominal power [kVA]	10	15	20	30	40	60	80
Active power [kW]	9	13.5	18	27	36	54	72
Number of phases	3 + N						
Rated voltage [V]	380 ¹ / 400 / 415 three-phase + N (selectable)						
Static stability	±1%						
Dynamic stability	EN 62040-3 class performance 1 non-linear load						
Voltage distortion	<1% with linear load / <3% with non-linear load						
Crest factor [I _{peak} /I _{rms}]	3:1						
Frequency stability on battery	0.05%						
Frequency [Hz]	50 or 60 (selectable)						
Overload	110% for 60 min; 125% for 10 min; 150% for 1 min						
BATTERIES							
Type	VRLA AGM/GEL/NiCd/Li-ion/SuperCaps						
Recharging method	One level, Two level, Cyclic recharge (selectable)						
Battery arrangement (parallel systems)	Separate/Common						
OVERALL SPECIFICATIONS							
Weight without batteries [kg]	228	241	256	315	335	460	520
Dimensions (WxDxH) [mm]	555x740x1400					800x740x1400	
Remote signals	1x opto insulated Input and 3x relays Outputs						
Auxiliary signals	R.E.P.O. - External manual bypass - External output switch						
Communications	UPS status LEDs - Graphic display - 2 slots for communications interface - 2x RS232						
Ambient temperature for the UPS	0 °C - +40 °C						
Recommended temperature for battery life	+20 °C - +25 °C						
Range of relative humidity	5-95% non-condensing						
Colour	RAL 7016						
Noise level at 1 m [dBA ±2] ECO Mode	60			62			
IP rating	IP20						
ECO Mode efficiency	up to 98%						
Standards	European directives: LV 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant Classification in accordance with IEC 62040-3 (Voltage frequency Independent) VFI - SS - 111						
Moving the UPS	Pallet jack						

¹ For wider tolerance conditions apply.

^{BAT} Also available with internal batteries.



MODELS	MPT 100	MPT 120	MPT 160	MPT 200
INPUT				
Rated voltage [V]	380 / 400 / 415 three-phase			
Voltage tolerance [V]	400 +20% -25% @ full load ¹			
Frequency [Hz]	45 - 65			
Soft start	0 - 100% in 120 s (selectable)			
BYPASS				
Rated voltage [V]	380 / 400 / 415 three-phase + N			
Rated frequency [Hz]	50 or 60 (selectable)			
Permitted frequency tolerance	±2% (selectable from ±1% to ±5%)			
Standard equipment provided	Backfeed protection; separable bypass line			
OUTPUT				
Nominal power [kVA]	100	120	160	200
Active power [kW]	90	108	144	180
Number of phases	3 + N			
Rated voltage [V]	380 ¹ / 400 / 415 three-phase + N (selectable)			
Static stability	±1%			
Dynamic stability	EN 62040-3 class performance 1 non-linear load			
Voltage distortion	<1% with linear load / <3% with non-linear load			
Crest factor [I _{peak} /I _{rms}]	3:1			
Frequency stability on battery	0.05%			
Frequency [Hz]	50 or 60 (selectable)			
Overload	110% for 60 min; 125% for 10 min; 150% for 1 min			
BATTERIES				
Type	VRLA AGM/GEL/NiCd/Li-ion/SuperCaps			
Recharging method	One level, Two level, Cyclic recharge (selectable)			
Battery arrangement (parallel systems)	Separate/Common			
OVERALL SPECIFICATIONS				
Weight [kg]	620	640	700	800
Dimensions (WxDxH) [mm]	800x800x1900			
Remote signals	1x opto insulated Input and 3x relays Outputs			
Auxiliary signals	R.E.P.O. - External manual bypass - External output switch			
Communications	UPS status LEDs - Graphic display - 2 slots for communications interface - 2x RS232			
Ambient temperature for the UPS	0 °C - +40 °C			
Recommended temperature for battery life	+20 °C - +25 °C			
Range of relative humidity	5-95% non-condensing			
Colour	RAL 7016			
Noise level at 1 m [dBA ±2] ECO Mode	65		68	
IP rating	IP20			
ECO Mode efficiency	up to 98%			
Standards	European directives: LV 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant Classification in accordance with IEC 62040-3 (Voltage frequency Independent) VFI - SS - 111			
Moving the UPS	Pallet jack			

¹ For wider tolerance conditions apply.