

Multi Power2

M2X 120 CBC 6



OVERALL SPECIFICATION	
Power module □ PM □ nominal power	15 / 30 kW
Solution nominal Power	120 kW
Output power factor [pf]	1
Parallel (up to)	6
Cabinet layout description	M2X 120 CBC 6
Slot for PM	5
Cabinet layout	4+1 M2X 30 PM BLUE or 5x M2X 15 PM / PM BLUE
switch	Manual Bypass, DC Switch (internal batteries)

INPUT	
Voltage	380 - 400 - 415 V three-phase + N (4 wires)
Voltage tolerance	240-480 (condition apply)
Frequency	50 - 60 Hz
Frequency tolerance	40 - 72 Hz
Power factor	0.99
Total harmonic distortion (THDi)	< 3%

BY PASS	
Rated voltage	380 - 400 - 415 V three-phase + N (4 wires)
Voltage tolerance	From 180 V (adjustable 180-200 V) to 264 V (adjustable 250-264 V)
Rated frequency	50 - 60 Hz
Frequency tolerance	± 5% (adjustable from 0.25 to 10%)

OUTPUT and INVERTER OUTPUT	
Rated power	120000 VA
Active power	120000 W
Rated voltage	380 / 400 / 415 V three-phase + N (4 wires)
Dynamic stability	EN62040-3 class performance 1
Frequency	50 / 60 Hz

BATTERIES	
Type	VRLA, Ni-Cd, Li-Ion, Supercaps
Type of charging	One level, Two level, Cyclic recharge (selectable)

INTERNAL MODULAR BATTERIES	
Battery units (BU)	10x 9 Ah monoblocks
Cabinet layout description	up to 6x 4x BU (6 battery strings)
Monitoring	Constant measurement of BU voltage and current; monitoring of battery status via the Multi Power2 LCD display

EXTERNAL MODULAR BATTERIES	
Battery cabinet type	Modular (MPW 170 BTC)
Battery units (BU)	10x 9 Ah monoblocks
layout	up to 9x 4x BU (9 battery strings)
Dimensions (h w d)	2000 x 600 x 1050 mm
Weight (without PM / BU)	280 kg

CONVENTIONAL BATTERIES	
Battery cabinet type	Conventional (BTC 2000 480V AB V9 3T)
Layout	Battery Cabinet / Free-standing shelf
Cabinet layout description	1x 20+20 VRLA monoblocks
Dimensions (h w d)	2000 x 860 x 800 mm
Weight (Without PM / BU)	240 kg

Multi Power2
M2X 120 CBC 6



ENVIRONMENTAL	
Color	RAL 9005
Communication	10" Graphic touch screen display – UPS Status led bar – 2 slots for communication interface, 5 input and 4 output signals, with integrated NetMan 208C
Protection rating	IP20 (either with door open or close)
AC/AC efficiency	Up to 98.1% with PM 30 BLUE (ON LINE Mode)
Noise (at 1 m)	< 57 dB (condition apply)
Operating temperature	0 °C - +40 °C
Relative humidity	5-95% non-condensing
Standards	European Directives: LV 2014/35/EU Low Voltage Directive; EMC 2014/30/EU Electromagnetic Compatibility Directive Standards: Safety EN IEC 62040-1; EMC EN IEC 62040-2; RoHS-compliant Classification in accordance with EN IEC 62040-3 VFI - SS - 111
DATA	
Weight	1148 (populated with 4+1 M2X 30 PM BLUE and 24 BU) kg
Dimensions (h w d)	1995 x 600 x 985 mm