

Multi Power2 Scalable M2S 1600 PCS



OVERALL SPECIFICATION	
Battery cabinet type	M2S 1600 PCS Power Cabinet
Power module (PM) nominal power	67 kW
Solution nominal Power	1600 kW
Output power factor [pf]	1
Parallel (up to)	4
Cabinet layout description	Up to 24 x MP2 67 PM BLUE or 24 x MP2 67 PM. Unit with main input, bypass, manual bypass, output switches, dual input only.

INPUT	
Rated power	1600000 VA
Voltage	380 / 400 / 415 V three-phase + N
Frequency tolerance	40 - 72 Hz
Power factor	0.99

BY PASS	
Rated voltage	380 / 400 / 415 V three-phase + N
Voltage tolerance	From 180 V (adjustable 180-200) to 264 V (adjustable 250 – 264) referring to neutral (Ph-N)
Rated frequency	50 or 60 Hz (selectable)
Frequency tolerance	± 5% (selectable)
Number phases	3 + N

OUTPUT and INVERTER OUTPUT	
Rated power	1600000 VA
Active power	1600000 W
Number phases	3 + N
Output voltage	380 / 400 / 415 V three-phase + N
Waveform	Sinewave
Dynamic stability	EN62040-3 class performance 1 non linear load
Frequency	50 or 60 Hz
Overload	125% for 10 min.; 150% for 1 min.

BATTERIES	
Type	VRLA AGM / GEL; NiCd; Li-Ion; Supercaps
Type of charging	One level, Two level, Cyclic recharge (selectable)

ENVIRONMENTAL	
Color	RAL 9005
Communication	10" Graphic touch screen display – UPS Status led bar – 3 slots for communication interface, 10 input and 8 output signals
Protection rating	IP20 finger proof (either with cabinet doors open or close)
AC/AC efficiency	Up to 98.1% with MP2 67 PM BLUE (ON LINE mode)
Operating temperature	0 °C - +40 °C
Relative humidity	5-95% non condensing
Standards	European directives: LV 2014/35/EU low voltage; 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 VFI - SS - 111

DATA	
Weight including PMs to reach nominal power	2712 kg
Dimensions (h w d)	2000 x 3600 x 1025 mm
Input phases	3
Output phases	3