Data Sheet

ATMOCE

M-CombinerX

MC100-Wye-4 in 1



We reserve the right to modify product specifications without notice. While efforts are made to ensure accuracy, this material does not constitute any direct or implied commitment, warranty, or guarantee by ATMOCE. All information is provided "as-is" and we disclaim liability for any reliance placed thereon.

Items	Unit	MC100-Wye-4 in 1
What's in the Combiner		
M-Gateway		1 × M-Gateway
SPD		1 × unit, In: 20 kA, 4-pole
SPD Breaker		1 × unit, 25 A, 3-pole
Gateway Breaker		1 × unit, 10 A, 3-pole
PV Breaker		4 × units, 32 A, 3-pole
Grid Switch		1 × unit, 125 A, 4-pole
Microinverter CT		3 × 80 A CTs, accurate up to 0.5%
Consumption CT Interface		1 × 250A CT, accurate up to 0.5%
Electrical Parameters		
Grid Setup		Three-phase
Nominal Voltage	V	220/380 Va.c., 230/400 Va.c., 240/415 Va.c., 3/N~
Operating Voltage Range (L to N)	V	176 to 276
Nominal Frequency	Hz	50/60
Extended Frequency Range	Hz	45 to 65
Overvoltage Category		III
Mechanical Parameters		
Dimensions (W × H × D)	mm	475 × 650 × 136
Weight	kg	15
Ambient Temperature Range	℃	-30 to 50
Cooling		Natural convection
Enclosure Environmental Rating		Outdoor, IP65
Wire sizes [a]	mm^2	PV side: 4 to 6 | Grid side: 25 to 35
Communication Cable Sizes	mm^2	0.25 to 0.75
Noise	dB	<25
Altitude	m	3000
Protection Class		I
Pollution Degree		III
Communication Interfaces		
PV Side	PLC	Support
Battery Side	CAN	Support
Device Side	ETC	1 × interface, 100 Mb/10 Mb auto-adaptability
	RS485	2 × interfaces
ATMOCE-Cloud	Wi-Fi	2.4 GHz, 20dB
	ETH	1 × interface, 100 Mb/10 Mb auto-adaptability
ATMOZEN App	BLE	2.4 GHz, 3dB
Indicators		3 × LEDs
Compliance		
Safety		IEC 61439-1/-2
Health		IEC 62311
EMC		EN 301 489-1/-17, IEC 61000-6-1/-2/-3/-4
Radio Spectrum		EN 300 328
PLC		EN 50065-1/-2

a. Refer to the local electrical regulations to select the cable size.

© 2026 ATMOCE HOLDING B.V. All rights reserved.
support@atmoce.com | +31 20 241 6207
ATMOCE HOLDING B.V. | Rokin 92-96, 1012 KZ Amsterdam, the Netherlands