

ATMOCE

M-CombinerX



Items	Unit	M-CombinerX
What's in the Combiner		
M-Gateway		1 × M-Gateway
SPD		1 × unit, In: 20 kA, 4-pole
SPD Breaker		1 × unit, 25 A, 4-pole
Gateway Breaker		1 × unit, 10 A, 4-pole
PV/Battery Breaker		8× units, 32 A, 4-pole
Grid Switch		1 × unit, 250 A, 4-pole
Microinverter CT		3 × 250 A CTs, accurate up to 0.5%
Battery CT		3 × 250 A CTs, accurate up to 0.5%
Consumption CT Interface		1 × CT signal interface, accurate up to 0.5%
Grid Protection		1 × unit, 250 A, 4-pole
Electrical Parameters		
Grid Setup		Three-phase
Nominal Voltage	V	220/380 Va.c., 230/400 Va.c., 3/N~
Operating Voltage Range (L to N)	V	184 to 276
Nominal Frequency	Hz	50/60
Extended Frequency Range	Hz	45 to 65
Max. Battery Capacity	kWh	128
Overvoltage Category		III
Mechanical Parameters		
Dimensions (W x H x D)	mm	650 × 850 × 230
Weight	kg	42
Ambient Temperature Range	°C	-30 to 50
Cooling		Natural convection
Enclosure Environmental Rating		Outdoor, IP65
Wire sizes ^a	mm ²	PV side: 4 to 6 Grid side: 95 to 120 Battery side: 4 to 6
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
	ETH	1 × interface, 100 Mb/10 Mb auto-adaptability
ATMOZEN App	BLE	2.4 GHz
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.