

M-Gateway

MG100-Wye / MG100-Delta



Key Features

Reliability

- Simultaneous Bluetooth and Wi-Fi communication
- Highly reliable PLC communication
- Stable and robust communication

Efficiency

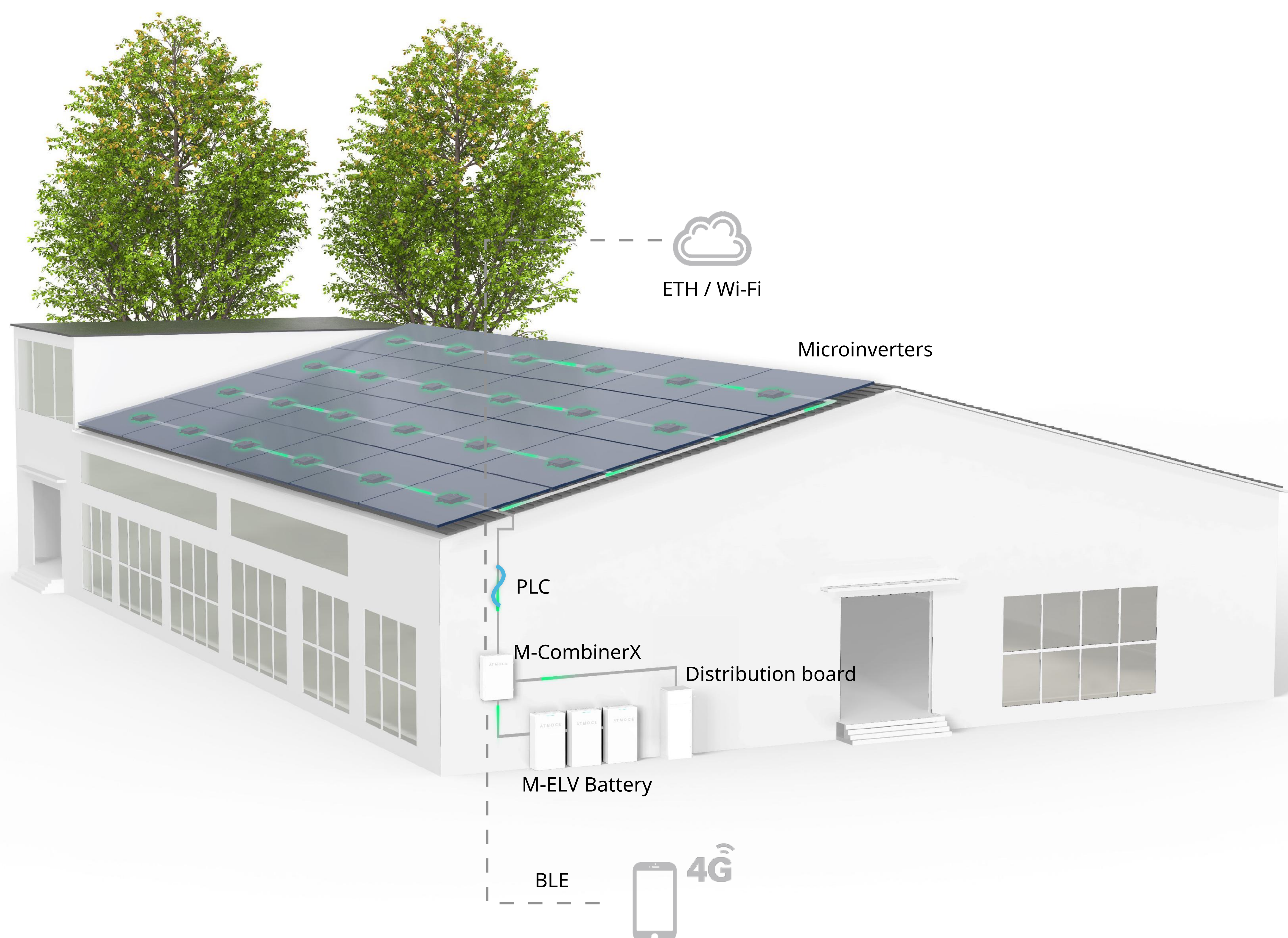
- Pre-installed and pre-connected
- Easy system activation by using the ATMOZEN app
- Adaptable to different scenarios

Scalability

- Supports up to 200 microinverters
- Multiple communication methods: PLC, Wi-Fi, Ethernet, BLE, RS485, CAN

Smart

- Smart home energy management
- Enables remote management
- All-in-one app to guide the installation and configuration



Items	Unit	MG100-Wye	MG100-Delta
Electrical parameters			
Grid setup		Three-phase	Three-phase Delta
Nominal voltage	V	220/380 Va.c., 230/400 Va.c., 3/N~	220 Va.c., 230 Va.c., 3~
Operating voltage range (L to N)	V	176 to 276	
Nominal frequency	Hz	50/60	
Extended frequency range	Hz	45 to 65	
Power consumption	W	<9 (without USB device) < 25 (with USB device)	
Overvoltage category		III	
AC surge protection		TYPE II	
Mechanical parameters			
Dimensions (W x H x D)	mm	221 × 148 × 42	
Weight	kg	0.6	
Ambient temperature range	°C	-30 to 65	
Cooling		Natural convection	
Enclosure environmental rating		IP30	
Communication		PLC, Wi-Fi, BLE, ETH, CAN, RS485	
Noise	dB	<25	
Altitude	m	3000	
Protection class		II	
Pollution degree		II	
Communication interfaces			
PV side	PLC	Support	
	Microinverter CT	3 × CT interfaces	
Grid side	Consumption CT	1 × CT interface	
Battery side	CAN	Support	
	Battery CT	3 × CT interfaces	
Load side	ETH	1 × interface, 100 Mb/10 Mb auto-adaptability	
	Digital I/O	1 × 12V DO, 4 × DI	
	RS485	Support	
M-Relay	RS485	Support	
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	

Disclaimer: Performance figures are obtained under specific testing conditions by ATMOCE's internal laboratory. These values are not guarantees, and actual performance is subject to variation depending on the final product design, software versions, user behavior, and the operational environment.