

ATMOCE

Data Sheet

M-Backup



Key Features

Reliable and Safe

- Seamless switching <10 ms
- Complete backup of home appliances
- IP65 certified protection

Scalable & Smart

- Ready for third-party PV modules
- Compatible with diesel generator
- Intelligent load management



Items	Unit	MU100-S	MU100-T
What's in the M-Backup			
M-Combiner / Battery Breaker		1 × unit, 63 A, 2-pole	1 × unit, 63 A, 4-pole
3rd Party PV breaker		1 × unit, 63 A, 2-pole	/
3rd Party PV controller breaker		/	1 × unit, 6 A, 1P+N
Backup Breaker		1 × unit, 63 A, 2-pole	1 × unit, 63 A, 4-pole
Grid Breaker		1 × unit, 63 A, 2-pole	1 × unit, 63 A, 4-pole
Bypass Breaker		1 × unit, 63 A, 2-pole	1 × unit, 63 A, 4-pole
Electrical Parameters			
Grid Setup		Single-phase	Three-phase
Nominal Voltage	V	220/230/240 Va.c.	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
Max. Combiner/Load Current	A		63 ^a
Max. Grid Current	A		63 ^a
Max. Distribution Panel Current	A		63 ^a
Overvoltage Category			III
Noise	dB		<25
Altitude	m		3000
Protection Class			II
Pollution Degree			III
Supported Grid types		TN-S, TN-C-S, TT, TN-C	
Mechanical Parameters			
Dimensions (W x H x D)	mm		390 × 460 × 125
Weight	kg	3.6	6
Ambient Temperature Range	°C		-30 to 50
Relative Humidity			4% to 100%
Cooling			Natural convection
Enclosure Environmental Rating			Outdoor, IP65
Wire Sizes ^b	mm ²	Combiner/Load side: 16 to 25 Grid side: 16 to 25 Distribution panel side:16 to 25	
Communication Cable Sizes	mm ²		0.25 to 0.75
Communication		CAN, RS485, DI, DO	
Compliance			
Safety		IEC 61439-1/-2	
EMC		IEC 61000-6-1/-2/-3/-4	

a. 63A refers to the current-carrying capacity at an ambient temperature of 35°C; at 50°C, it must be derated to 50A.

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