

## M-Backup



Items	Unit	M-Backup	
What's in the box			
Combiner/Load breaker		1 × unit, 80 A, 2-pole	1 × unit, 80 A, 4-pole
Grid breaker		1 × unit, 80 A, 2-pole	1 × unit, 80 A, 4-pole
Bypass breaker		1 × unit, 80 A, 2-pole	1 × unit, 80 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., 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. combiner/load current	A		80
Max. grid current	A		80
Max. distribution panel current	A		80
Overvoltage category			III
Noise	dB		<25
Altitude	m		3000
Protection class			II
Pollution degree			III
Mechanical parameters			
Dimensions (W x H x D)	mm	447 ×389 × 124	
Weight	kg	3.6	6
Ambient temperature range	°C	-30 to 50	
Cooling		Natural convection	
Enclosure environmental rating		Outdoor, IP65	
Wire sizes <sup>a</sup>	mm <sup>2</sup>	Combiner/Load side: 16 to 25 Grid side: 16 to 25 Distribution panel side:16 to 25	
Communication cable sizes		0.25 to 0.75	
Communication		CAN, DO	
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	

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