

SmartOnline® S3M-Series 3-Phase UPS Systems

25-100kVA Models

Maximum Current and Power Cable Configuration

	S3M25K	S3M30K	S3M50K	S3M60K	S3M80K	S3M100K
Max Input Current	93.8A	112.5A	187.3A	224.8A	299.4A	374.3A
Rec. OCPD (A)	Rec. OCPD approx. 125% of Max AC input current					
Input Power Cable (Phase)	4 AWG 25 mm ²	2 AWG 35 mm ²	2/0 AWG 70 mm ²	3/0 AWG 95 mm ²	4/0 AWG 120 mm ²	2/0 AWG*2 150 mm ²
Input Power Cable (Neutral)	2/0 AWG 50 mm ²	2/0 AWG 50 mm ²	4/0 AWG 120 mm ²	2/0 AWG*2 70*2 mm ²	3/0 AWG*2 95*2 mm ²	4/0 AWG*2 120*2 mm ²
Output Power Cable (Phase)	4 AWG 25 mm ²	2 AWG 35 mm ²	1/0 AWG 50 mm ²	2/0 AWG 70 mm ²	3/0 AWG 95 mm ²	4/0 AWG 120 mm ²
Output Power Cable (Neutral)	1/0 AWG 50 mm ²	1/0 AWG 50 mm ²	3/0 AWG 95 mm ²	4/0 AWG 120 mm ²	2/0 AWG*2 70*2 mm ²	3/0 AWG*2 95*2 mm ²
Ground Cable	5 AWG 16 mm ²	4 AWG 25 mm ²	2 AWG 25 mm ²	1/0 AWG 50 mm ²	2/0 AWG 70 mm ²	3/0 AWG 95 mm ²
Fixation Torque Force	20N•m		26N•m			
Heat Dissipation (BTU/hr)	6339	7679	12628	15154	19932	24915
Dimensions: H x W x D in. (mm)	39.34 x 11.81 x 31.56 in. (999 x 300 x 802 mm)		47.24 x 17.4 x 33.53 in. (1200x 441 x 852 mm)		63.26 x 23.62 x 33.54 in. (1607 x 600 x 852 mm)	
Weight (lb./kg)	209/95	212/96	353/160	364/165	624/283	708/321
Floor Loading (lb./ft. ²) /(kg/m ²)	81.0/395.8	82.2/400.0	87.4/425.9	90.1/439.2	113.7/554.9	129.0/629.4

Note: Terminal stud size is M8 screw and nut.

DC Input Maximum Current and Power Cable Configuration

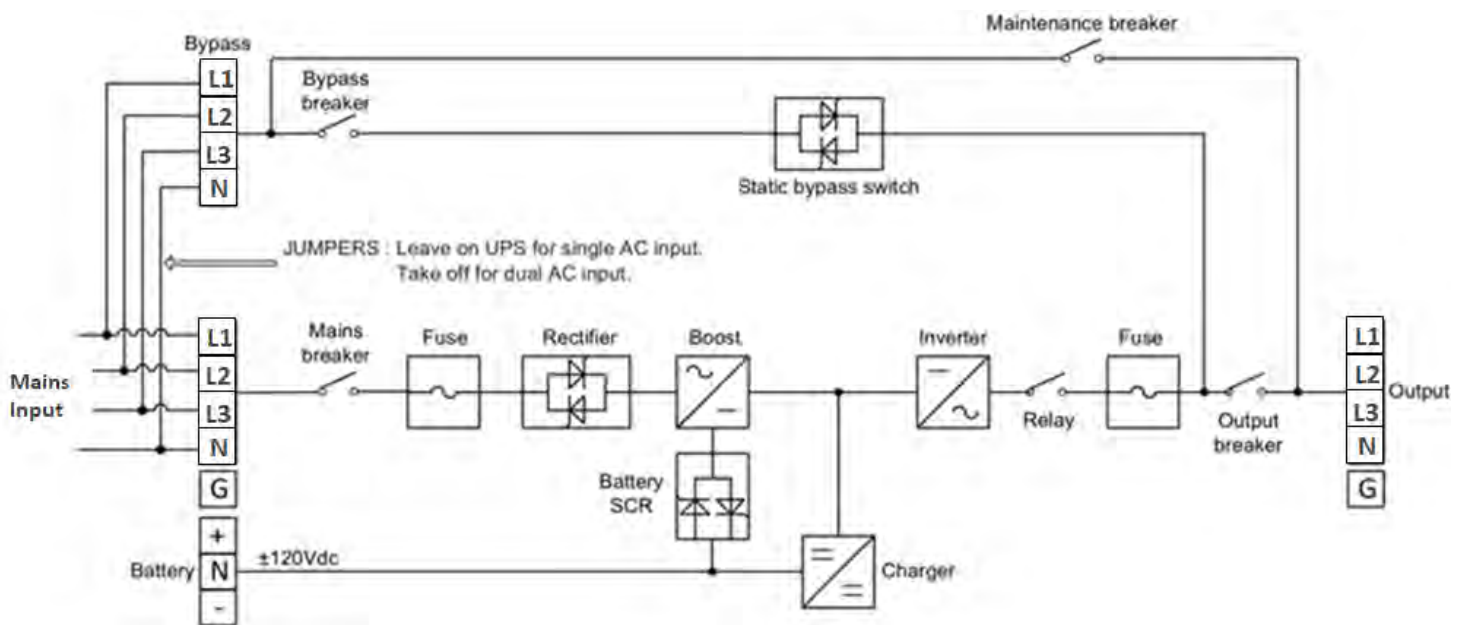
Nominal Battery Voltage: +/-120V DC

Battery Cabinet Models	BP240V40	BP240V40L	BP240V65	BP240V65L	BP240V100	BP240V100L
Rec. Ext. Batt. Breaker	150A	250A	250A	600A	250A	600A
Power & Ground Cable	1/0 AWG 50 mm ²	2/0 AWG 70 mm ²	2/0 AWG 70 mm ²	2/0 AWG*2 70 mm ² *2	2/0 AWG 70 mm ²	2/0 AWG*2 70 mm ² *2
Fixation Torque Force	44N•m					



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UPS Block Diagram

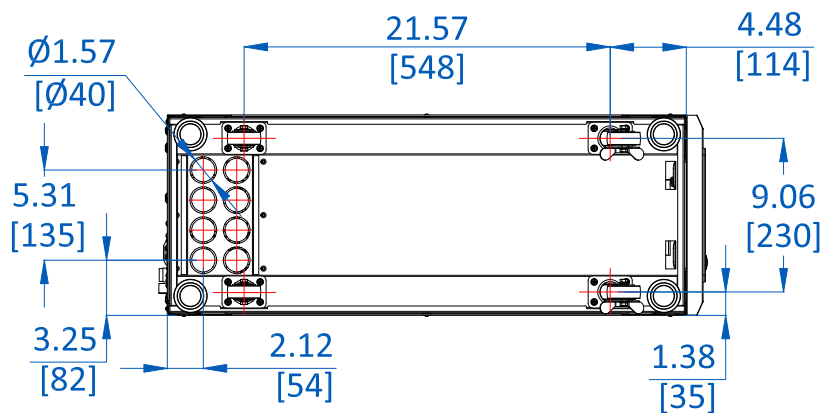


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3-Phase UPS Systems

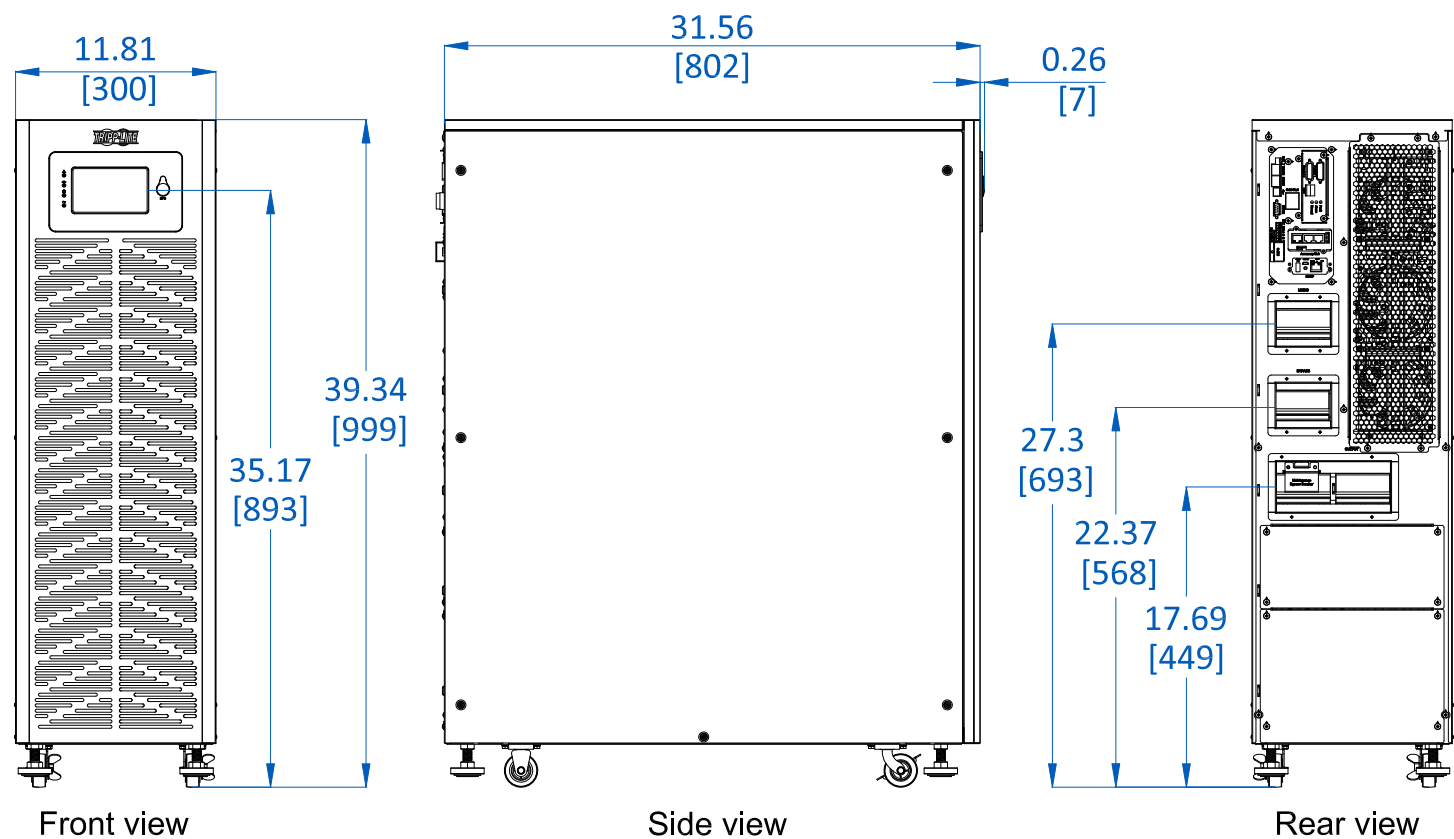
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S3M25K and S3M30K



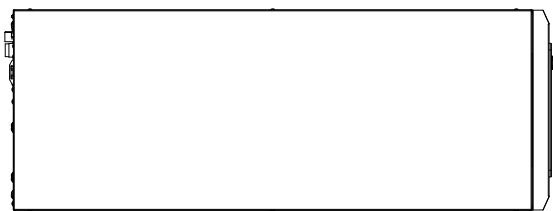
Bottom view



Front view

Side view

Rear view



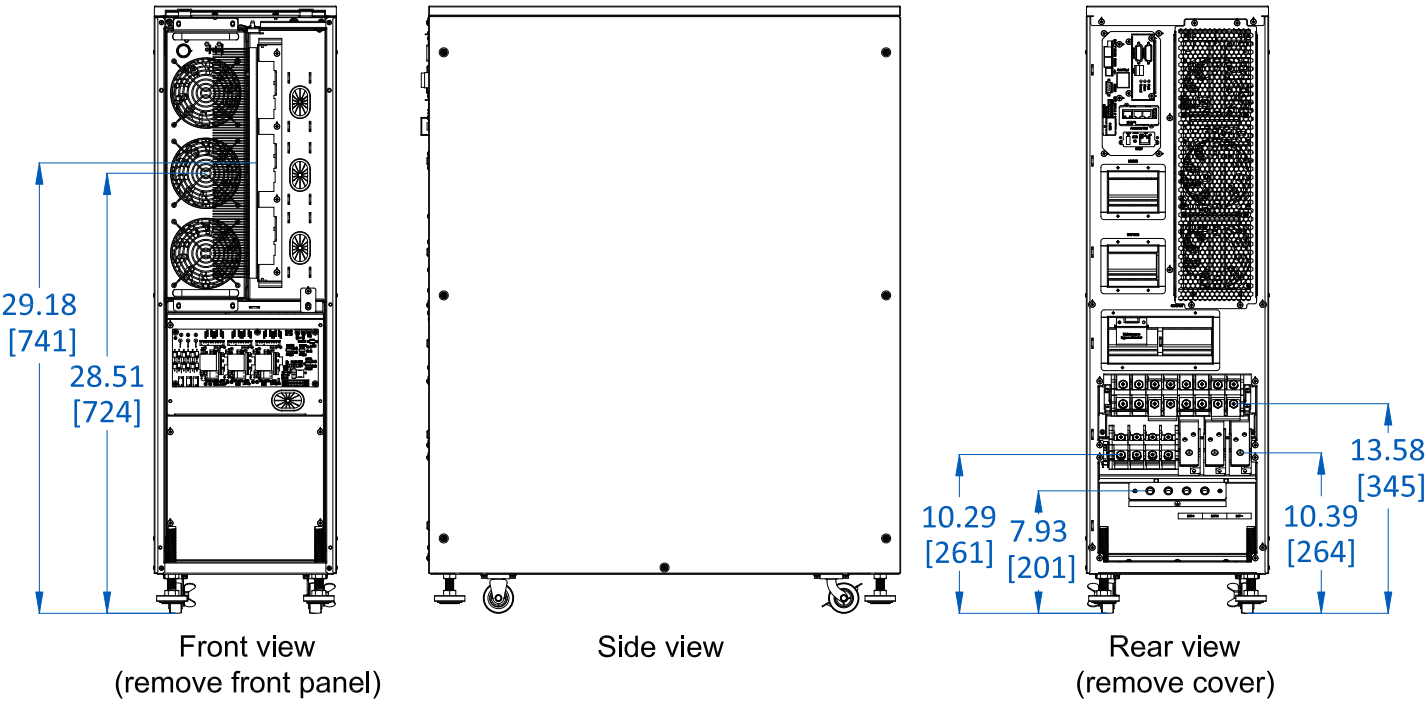
Top view

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S3M25K and S3M30K

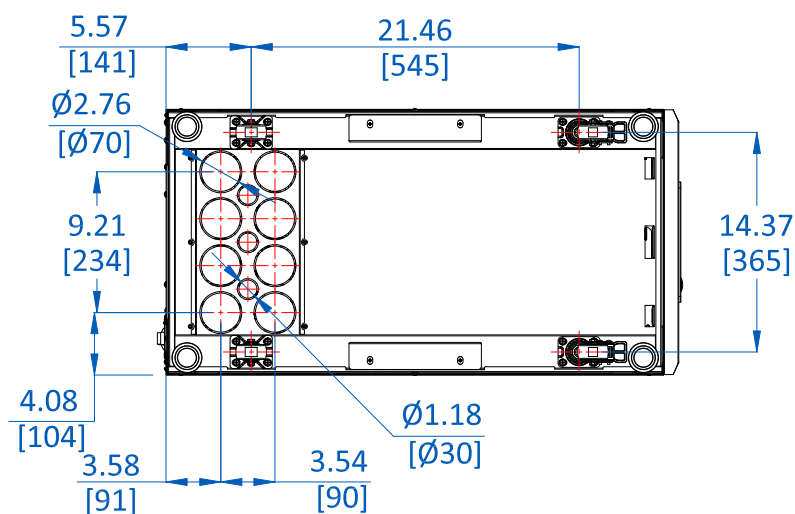


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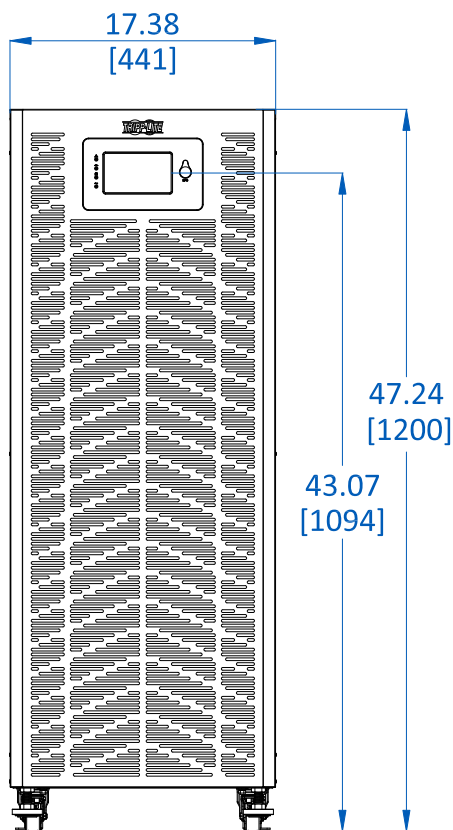


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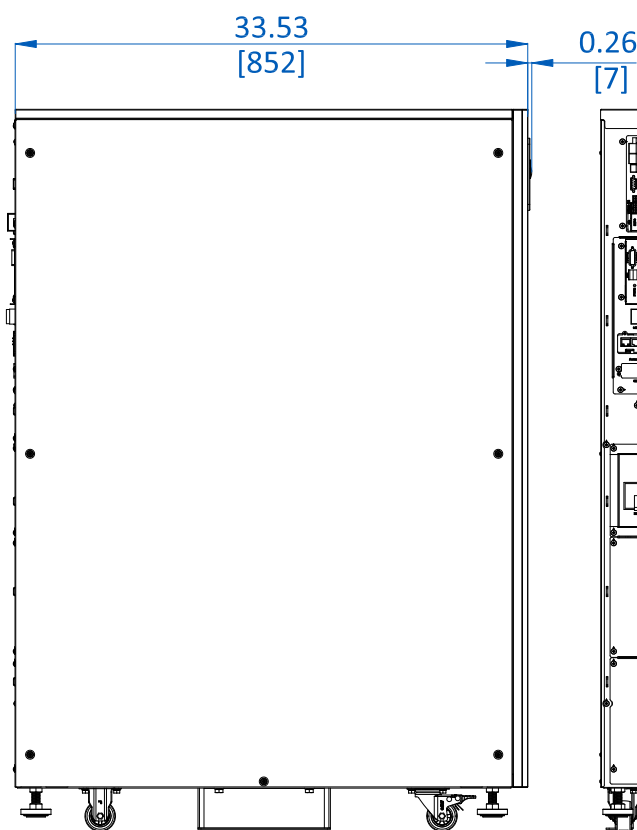
S3M50K and S3M60K



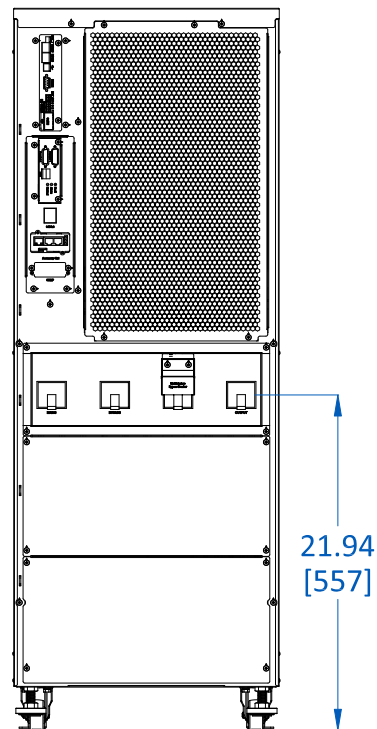
Bottom view



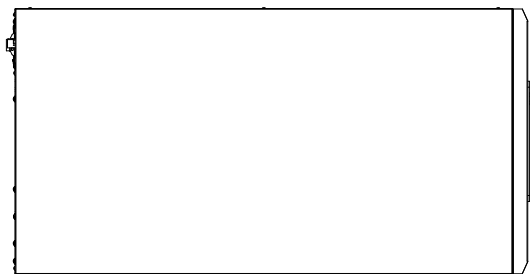
Front view



Side view



Rear view



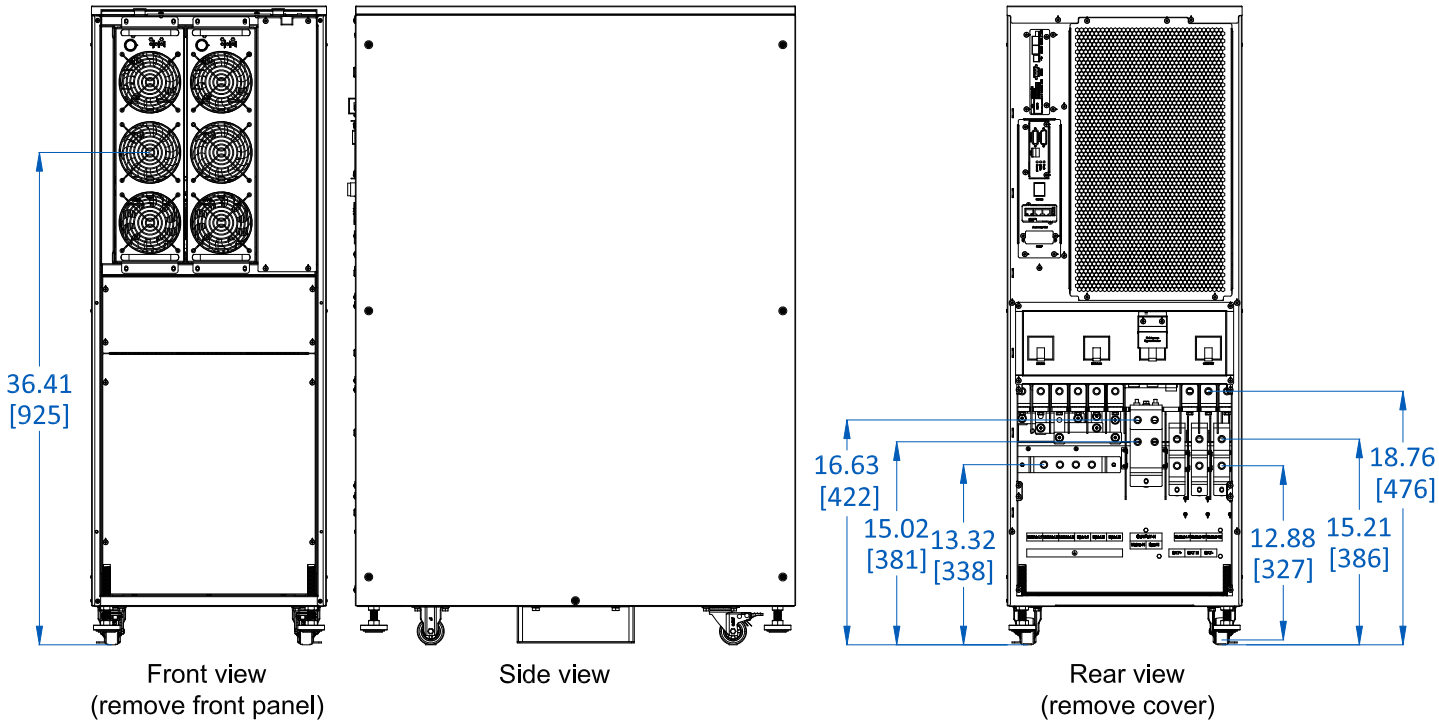
Top view

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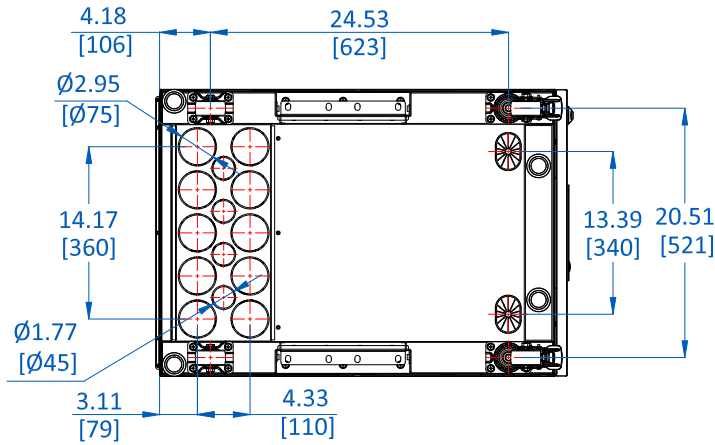
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S3M50K and S3M60K

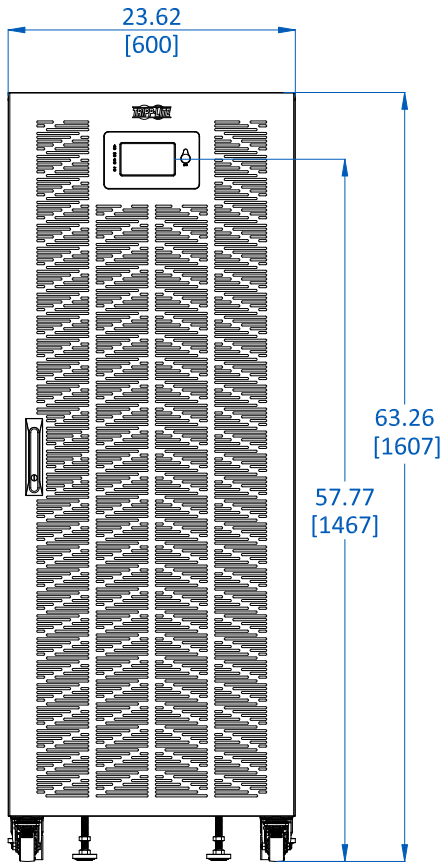


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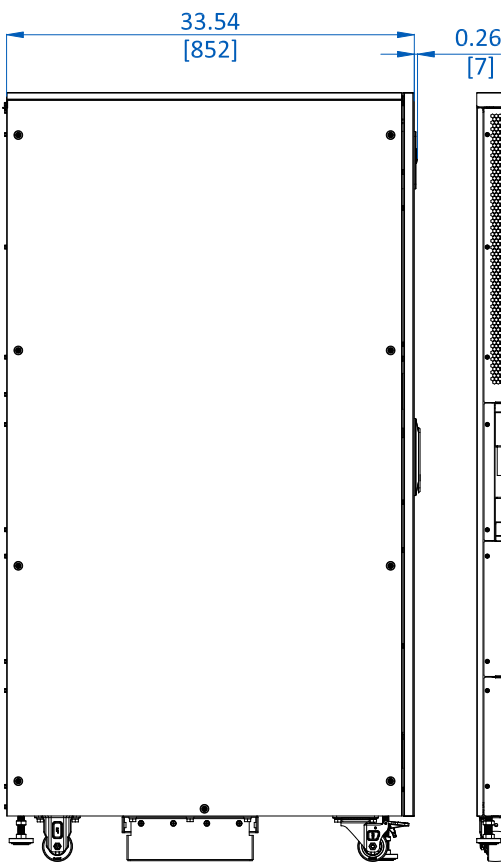
S3M80K



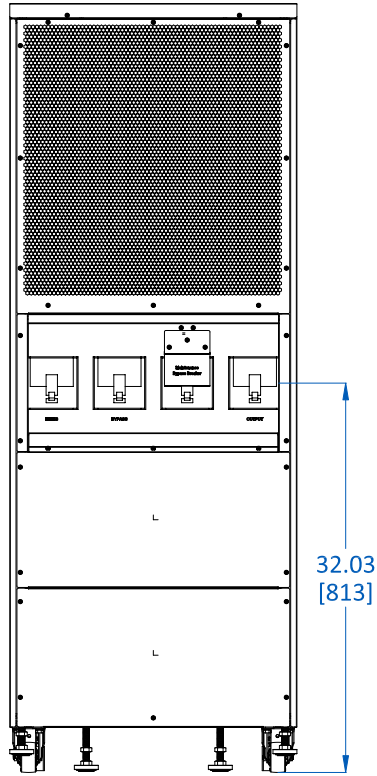
Bottom view



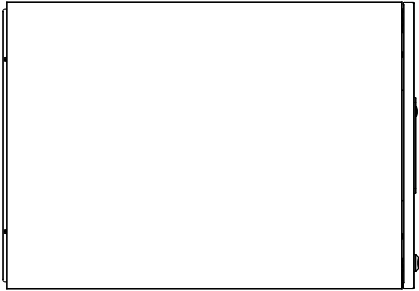
Front view



Side view



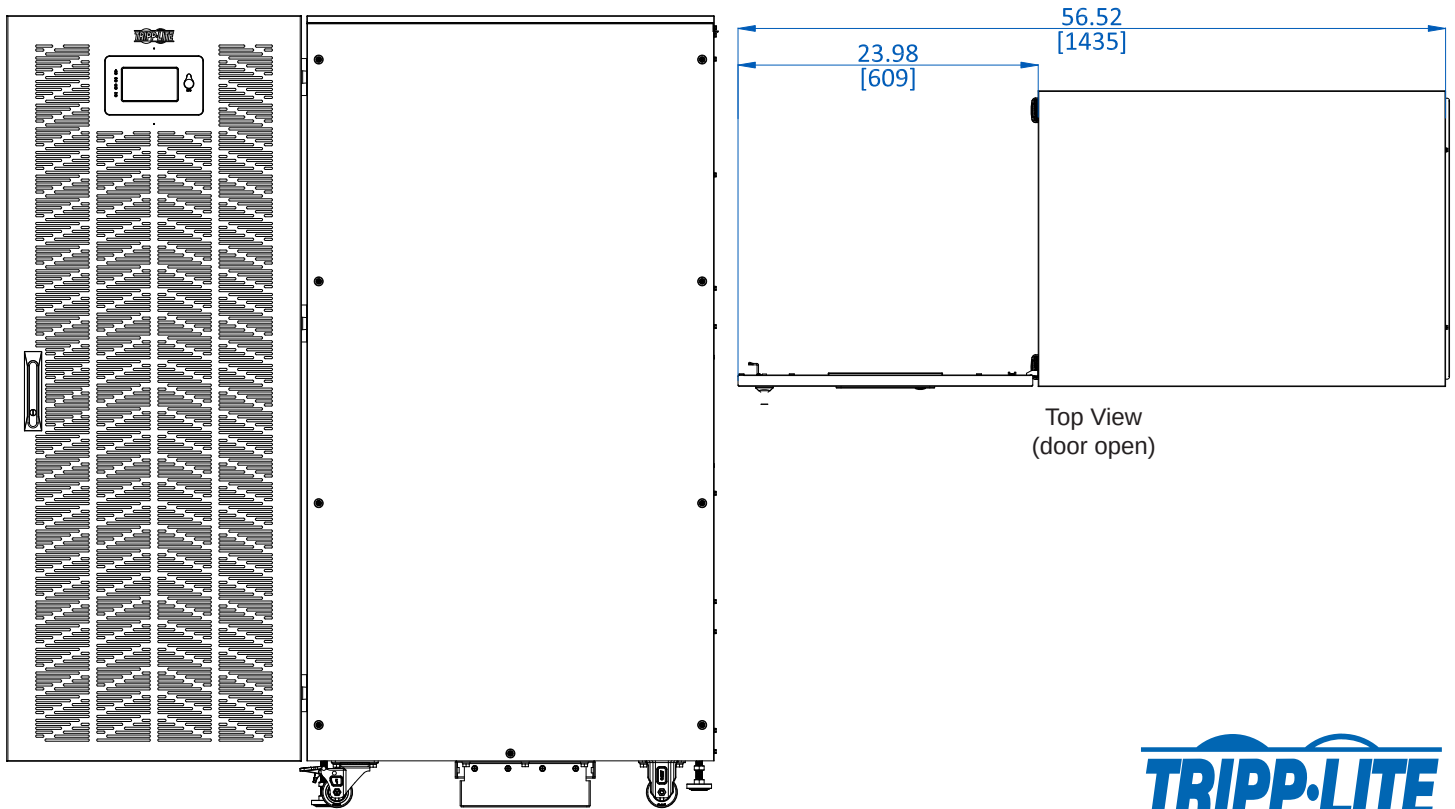
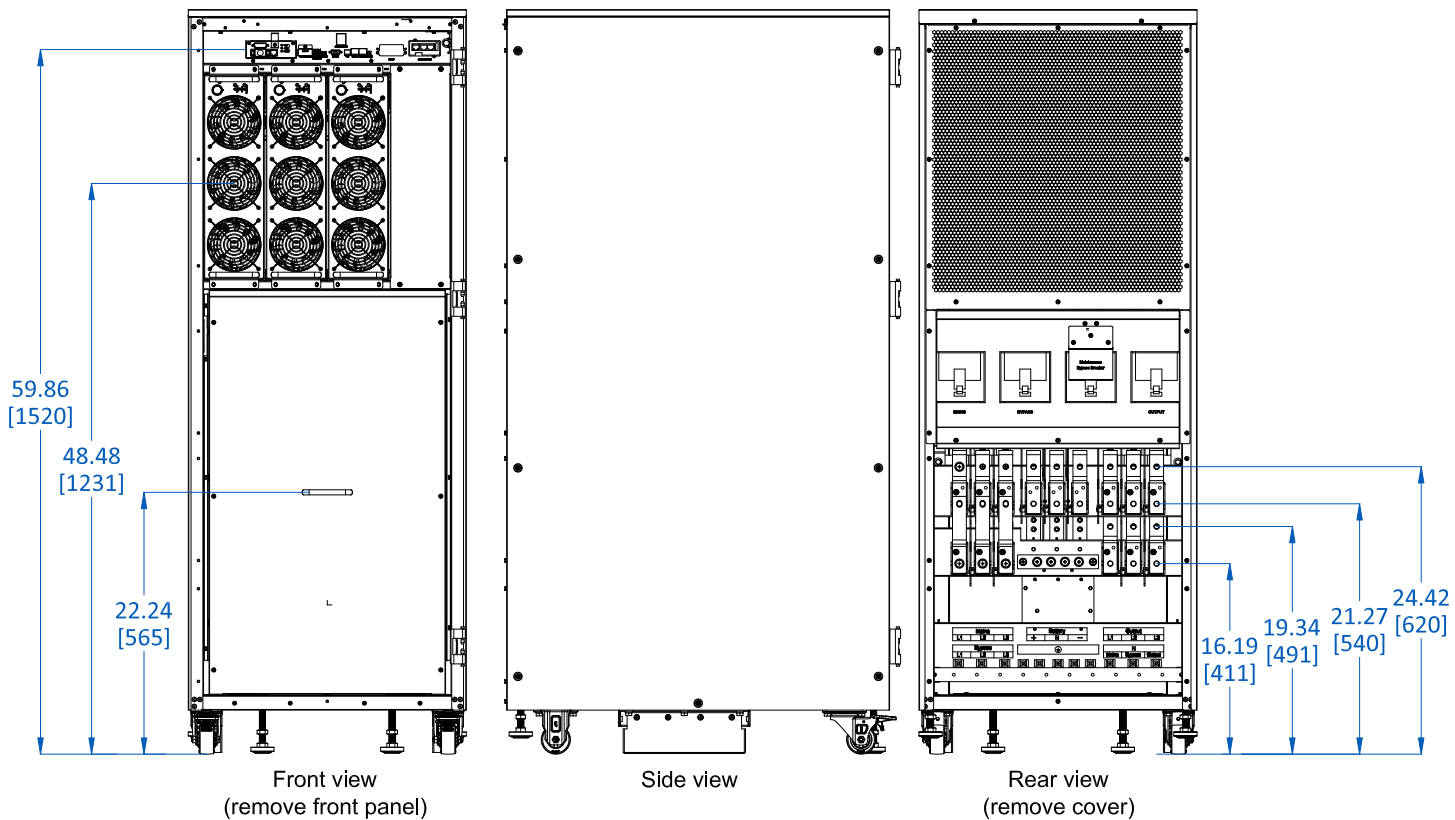
Rear view



Top view

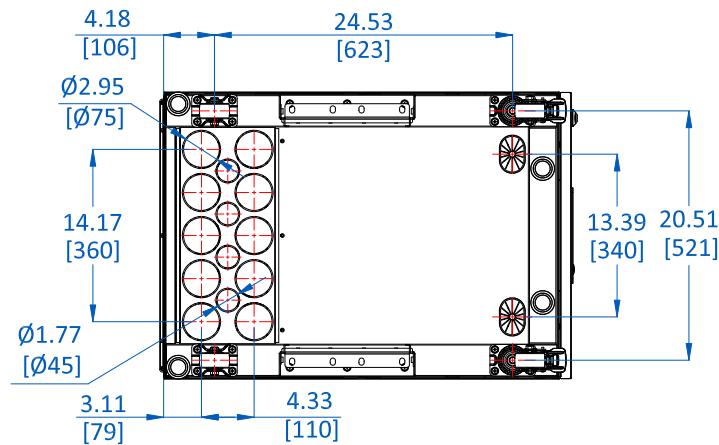


S3M80K

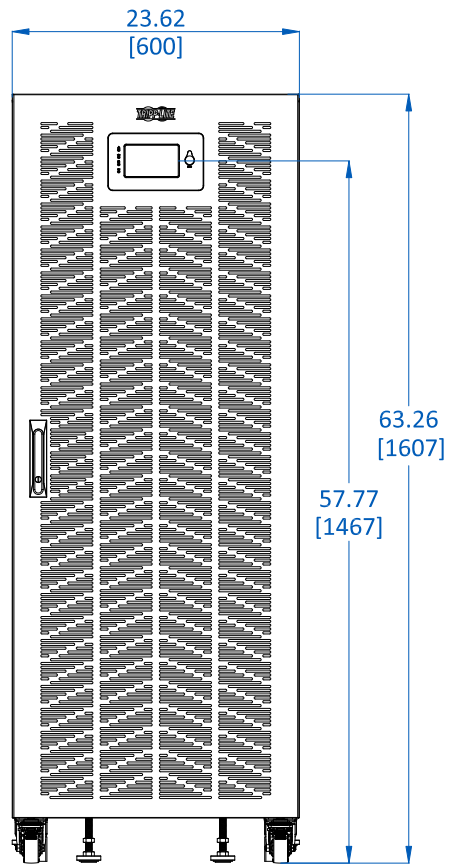


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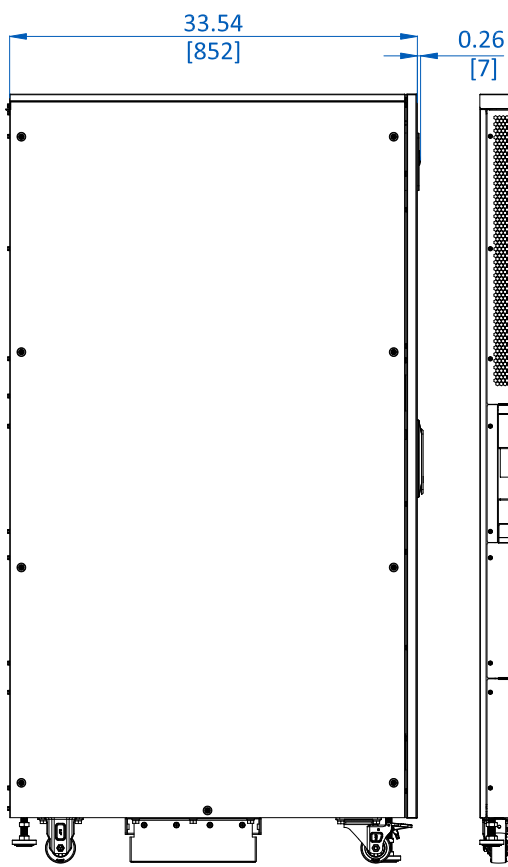
S3M100K



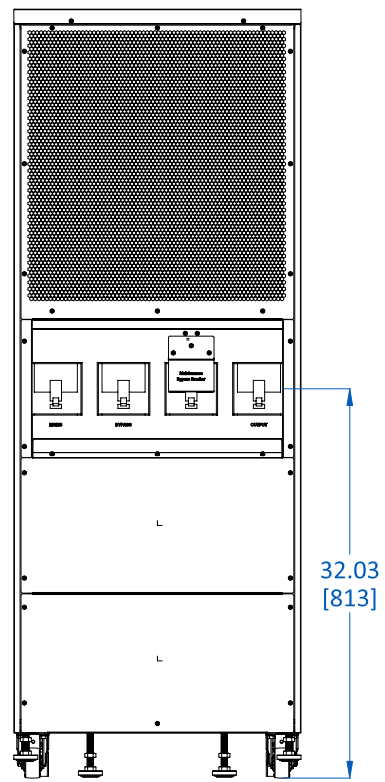
Bottom view



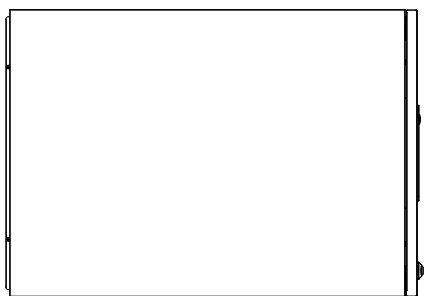
Front view



Side view



Rear view

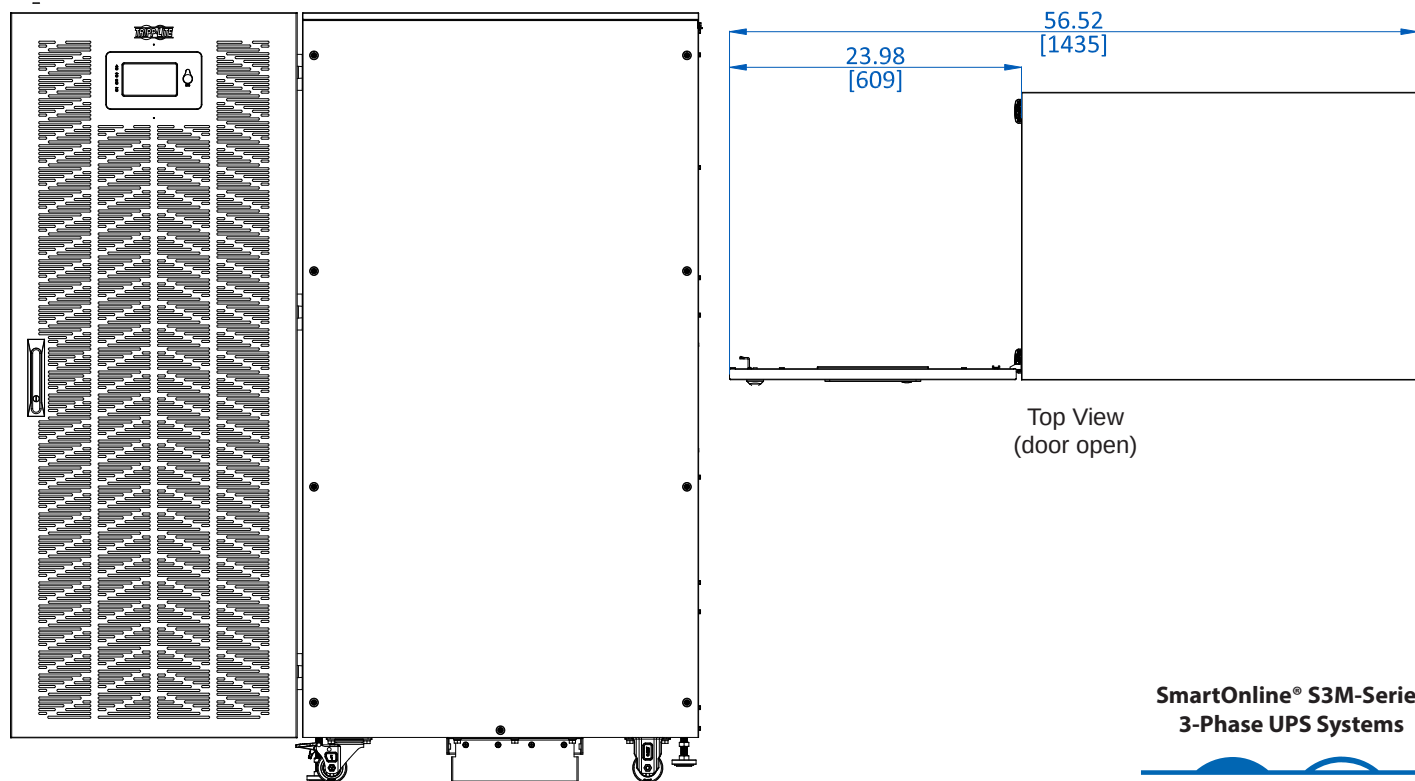
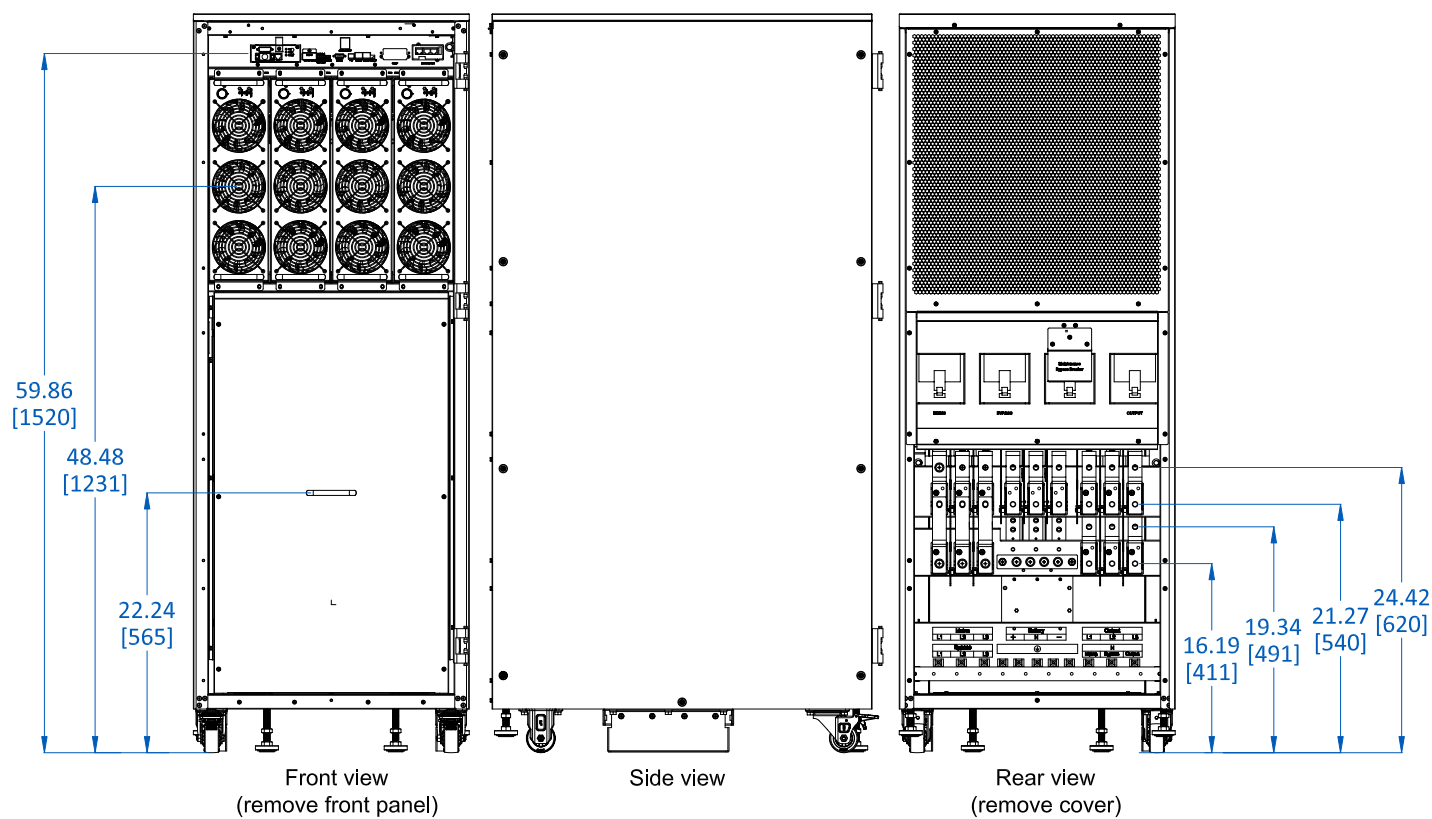


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S3M100K



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Dimensions: INCHES [mm]

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