

Charles Universal Broadband Enclosures (CUBE) CUBE PM5000 Series

Charles PM5000 Series cabinets are compact, robust (GR-487 compliant) and cost effective outdoor enclosures for wireless or wireline applications. PM5000 cabinets feature an equipment chamber with front and rear door (or panel) access and optional battery chamber. Varying sizes offer 16, 20, 24 or 30RU of equipment space housing 19" or 23" rackmount equipment. Several thermal management options and AC power distribution options are available.

**MADE IN THE
USA**



CUBE-PM520



CUBE-PM524

Specifications

Construction	0.125" Aluminum Welded Construction Outer Enclosure, Powder Coated Off-White Finish
Mounting Style	Pad Mount Enclosures Optional Wall/Pole Mount Kits
Thermal Management	HVAC, Heat Exchangers (see matrix)
Rack Mounting	(see matrix)
Door Latching	3-Point Latching with Pad Lockable Handles
Battery Types / Termination	One string 170 Ah VRLA
AC Termination	Optional Load Center (see optional items)
Bus Bars	2x12 Position
Alarms	Intrusion (x2), High Temperature (x1)
Certifications	UL2416

Rack Units	Dimensions (HxWxD)	Dimensions (HxWxD) with Battery Chamber
16	33"x28"x27"	49"x28"x27"
20	40"x28"x27"	56"x28"x27"
24	47"x28"x27"	63"x28"x27"
30	57"x28"x27"	73"x28"x27"



For additional product information, please visit www.charlesindustries.com

OG-OSP023-G20

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CUBE PM516 & 520 Series Models

Charles Part #	RU	Overall Dimensions	Mounting Rails	Doors	Equipment Chamber Dimensions	Battery Chamber Dimensions	Thermal
CUBE-PM516125N1	16	33"x28"x27"	23" Front and Rear	Front & Rear	33"x28"x27"	None	3500W HX/TS (CTMS)
CUBE-PM516155N1	16	33"x28"x27"	23" Front and Rear	Front Door, Rear Panel	33"x28"x27"	None	3500W HX/TS (CTMS)
CUBE-PM51612JN1	16	33"x28"x27"	23" Front and Rear	Front & Rear	33"x28"x27"	None	4000 BTU HVAC, 120VAC
CUBE-PM51615JN1	16	33"x28"x27"	23" Front and Rear	Front Door, Rear Panel	33"x28"x27"	None	4000 BTU HVAC, 120VAC
CUBE-PM51612KN1	16	33"x28"x27"	23" Front and Rear	Front & Rear	33"x28"x27"	None	4000 BTU HVAC, -48VDC
CUBE-PM51615KN1	16	33"x28"x27"	23" Front and Rear	Front Door, Rear Panel	33"x28"x27"	None	4000 BTU HVAC, -48VDC
CUBE-PM51622KN1	16	49"x28"x27"	23" Front and Rear	Front & Rear	33"x28"x27"	16"x28"x27"	4000 BTU HVAC, -48VDC
CUBE-PM51625KN1	16	49"x28"x27"	23" Front and Rear	Front Door, Rear Panel	33"x28"x27"	16"x28"x27"	4000 BTU HVAC, -48VDC
CUBE-PM51622JN1	16	49"x28"x27"	23" Front and Rear	Front & Rear	33"x28"x27"	16"x28"x27"	4000 BTU HVAC, 120VAC
CUBE-PM51625JN1	16	49"x28"x27"	23" Front and Rear	Front Door, Rear Panel	33"x28"x27"	16"x28"x27"	4000 BTU HVAC, 120VAC
CUBE-PM516225N1	16	49"x28"x27"	23" Front and Rear	Front & Rear	33"x28"x27"	16"x28"x27"	3500W HX/TS (CTMS)
CUBE-PM516255N1	16	49"x28"x27"	23" Front and Rear	Front Door, Rear Panel	33"x28"x27"	16"x28"x27"	3500W HX/TS (CTMS)
CUBE-PM520125N1	20	40"x28"x27"	23" Front and Rear	Front & Rear	40"x28"x27"	None	3500W HX/TS (CTMS)
CUBE-PM520155N1	20	40"x28"x27"	23" Front and Rear	Front Door, Rear Panel	40"x28"x27"	None	3500W HX/TS (CTMS)
CUBE-PM52012JN1	20	40"x28"x27"	23" Front and Rear	Front & Rear	40"x28"x27"	None	4000 BTU HVAC, 120VAC
CUBE-PM52015JN1	20	40"x28"x27"	23" Front and Rear	Front Door, Rear Panel	40"x28"x27"	None	4000 BTU HVAC, 120VAC
CUBE-PM52012KN1	20	40"x28"x27"	23" Front and Rear	Front & Rear	40"x28"x27"	None	4000 BTU HVAC, -48VDC
CUBE-PM52015KN1	20	40"x28"x27"	23" Front and Rear	Front Door, Rear Panel	40"x28"x27"	None	4000 BTU HVAC, -48VDC
CUBE-PM52022KN1	20	56"x28"x27"	23" Front and Rear	Front & Rear	40"x28"x27"	16"x28"x27"	4000 BTU HVAC, -48VDC
CUBE-PM52025KN1	20	56"x28"x27"	23" Front and Rear	Front Door, Rear Panel	40"x28"x27"	16"x28"x27"	4000 BTU HVAC, -48VDC
CUBE-PM52022JN1	20	56"x28"x27"	23" Front and Rear	Front & Rear	40"x28"x27"	16"x28"x27"	4000 BTU HVAC, 120VAC
CUBE-PM52025JN1	20	56"x28"x27"	23" Front and Rear	Front Door, Rear Panel	40"x28"x27"	16"x28"x27"	4000 BTU HVAC, 120VAC
CUBE-PM520225N1	20	56"x28"x27"	23" Front and Rear	Front & Rear	40"x28"x27"	16"x28"x27"	3500W HX/TS (CTMS)
CUBE-PM520255N1	20	56"x28"x27"	23" Front and Rear	Front Door, Rear Panel	40"x28"x27"	16"x28"x27"	3500W HX/TS (CTMS)

Optional Items

Part Number	Description
02-000290-0	Off-White Touch Up Paint
96-LC12POSSPGEN	12 Position, 125A Load Center Kit with Generator Inlet and Surge Arrestor. For use with PM516 models
96-16POSCLCSPGEN	16 Position, 125A Load Center Kit with Generator Inlet and Surge Arrestor. For use with PM520, PM524, PM530 models
96-LC30POSGEPWR	30 Position, 200A Load Center Kit with Surge Arrestor. For use with PM524, PM530 Models
96-004502-A	6" Plinth with Front and Rear access doors, factory installed
96-004503-A	39"H x 23"W x 18"D Side Chamber, factory installed. For use with PM524 and PM530 models
97-POLEMNTRSMNT	Pole/Wall Mount Kit for PM5 series models
97-004502-A	6" Plinth with Front and Rear access doors, field installed

Optional Items

Part Number	Description
97-004503-A	39"H x 23"W x 18"D Side Chamber, field installed. For use with PM524 and PM530 models
97-200ABATBRKTK	Conversion Kit to enable PM5 battery chamber to support 200AH VRLA battery string
96-RACKEXT16RU	16 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails
96-RACKEXT20RU	20 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails
96-RACKEXT24RU	24 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails
96-RACKEXT30RU	30 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails

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CUBE PM524 & 530 Series Models

Charles Part #	RU	Overall Dimensions	Mounting Rails	Doors	Equipment Chamber Dimensions	Battery Chamber Dimensions	Thermal
CUBE-PM524125N1	24	47"x28"x27"	23" Front and Rear	Front & Rear	47"x28"x27"	None	3500W HX/TS (CTMS)
CUBE-PM524155N1	24	47"x28"x27"	23" Front and Rear	Front Door, Rear Panel	47"x28"x27"	None	3500W HX/TS (CTMS)
CUBE-PM52412JN1	24	47"x28"x27"	23" Front and Rear	Front & Rear	47"x28"x27"	None	4000 BTU HVAC, 120VAC
CUBE-PM52415JN1	24	47"x28"x27"	23" Front and Rear	Front Door, Rear Panel	47"x28"x27"	None	4000 BTU HVAC, 120VAC
CUBE-PM52412KN1	24	47"x28"x27"	23" Front and Rear	Front & Rear	47"x28"x27"	None	4000 BTU HVAC, -48VDC
CUBE-PM52415KN1	24	47"x28"x27"	23" Front and Rear	Front Door, Rear Panel	47"x28"x27"	None	4000 BTU HVAC, -48VDC
CUBE-PM52422KN1	24	63"x28"x27"	23" Front and Rear	Front & Rear	47"x28"x27"	16"x28"x27"	4000 BTU HVAC, -48VDC
CUBE-PM52425KN1	24	63"x28"x27"	23" Front and Rear	Front Door, Rear Panel	47"x28"x27"	16"x28"x27"	4000 BTU HVAC, -48VDC
CUBE-PM52422JN1	24	63"x28"x27"	23" Front and Rear	Front & Rear	47"x28"x27"	16"x28"x27"	4000 BTU HVAC, 120VAC
CUBE-PM52425JN1	24	63"x28"x27"	23" Front and Rear	Front Door, Rear Panel	47"x28"x27"	16"x28"x27"	4000 BTU HVAC, 120VAC
CUBE-PM524225N1	24	63"x28"x27"	23" Front and Rear	Front & Rear	47"x28"x27"	16"x28"x27"	3500W HX/TS (CTMS)
CUBE-PM524255N1	24	63"x28"x27"	23" Front and Rear	Front Door, Rear Panel	47"x28"x27"	16"x28"x27"	3500W HX/TS (CTMS)
CUBE-PM530124N1	30	57"x28"x27"	23" Front and Rear	Front & Rear	57"x28"x27"	None	6000W HX/TS (CTMS)
CUBE-PM530154N1	30	57"x28"x27"	23" Front and Rear	Front Door, Rear Panel	57"x28"x27"	None	6000W HX/TS (CTMS)
CUBE-PM53012UN1	30	57"x28"x27"	23" Front and Rear	Front & Rear	57"x28"x27"	None	10,000 BTU HVAC, 240VAC
CUBE-PM53015UN1	30	57"x28"x27"	23" Front and Rear	Front Door, Rear Panel	57"x28"x27"	None	10,000 BTU HVAC, 240VAC
CUBE-PM53012LN1	30	57"x28"x27"	23" Front and Rear	Front & Rear	57"x28"x27"	None	10,000 BTU HVAC, -48VDC
CUBE-PM53015LN1	30	57"x28"x27"	23" Front and Rear	Front Door, Rear Panel	57"x28"x27"	None	10,000 BTU HVAC, -48VDC
CUBE-PM53022LN1	30	73"x28"x27"	23" Front and Rear	Front & Rear	57"x28"x27"	16"x28"x27"	10,000 BTU HVAC, -48VDC
CUBE-PM53025LN1	30	73"x28"x27"	23" Front and Rear	Front Door, Rear Panel	57"x28"x27"	16"x28"x27"	10,000 BTU HVAC, -48VDC
CUBE-PM53022UN1	30	73"x28"x27"	23" Front and Rear	Front & Rear	57"x28"x27"	16"x28"x27"	10,000 BTU HVAC, 240VAC
CUBE-PM53025UN1	30	73"x28"x27"	23" Front and Rear	Front Door, Rear Panel	57"x28"x27"	16"x28"x27"	10,000 BTU HVAC, 240VAC
CUBE-PM530224N1	30	73"x28"x27"	23" Front and Rear	Front & Rear	57"x28"x27"	16"x28"x27"	6000W HX/TS (CTMS)
CUBE-PM530254N1	30	73"x28"x27"	23" Front and Rear	Front Door, Rear Panel	57"x28"x27"	16"x28"x27"	6000W HX/TS (CTMS)

Optional Items

Part Number	Description
02-000290-0	Off-White Touch Up Paint
96-LC12POSSPGEN	12 Position, 125A Load Center Kit with Generator Inlet and Surge Arrestor. For use with PM516 models
96-16POSLCSPGEN	16 Position, 125A Load Center Kit with Generator Inlet and Surge Arrestor. For use with PM520, PM524, PM530 models
96-LC30POSGEPWR	30 Position, 200A Load Center Kit with Surge Arrestor. For use with PM524, PM530 Models
96-004502-A	6" Plinth with Front and Rear access doors, factory installed
96-004503-A	39"H x 23"W x 18"D Side Chamber, factory installed. For use with PM524 and PM530 models
97-POLEMNTRSMNT	Pole/Wall Mount Kit for PM5 series models
97-004502-A	6" Plinth with Front and Rear access doors, field installed

Optional Items

Part Number	Description
97-004503-A	39"H x 23"W x 18"D Side Chamber, field installed. For use with PM524 and PM530 models
97-200ABATBRKTK	Conversion Kit to enable PM5 battery chamber to support 200AH VRLA battery string
96-RACKEXT16RU	16 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails
96-RACKEXT20RU	20 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails
96-RACKEXT24RU	24 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails
96-RACKEXT30RU	30 RU 23" to 19" Rack Rail Extender. Set of 2. Order (2) if converting front and rear rack rails

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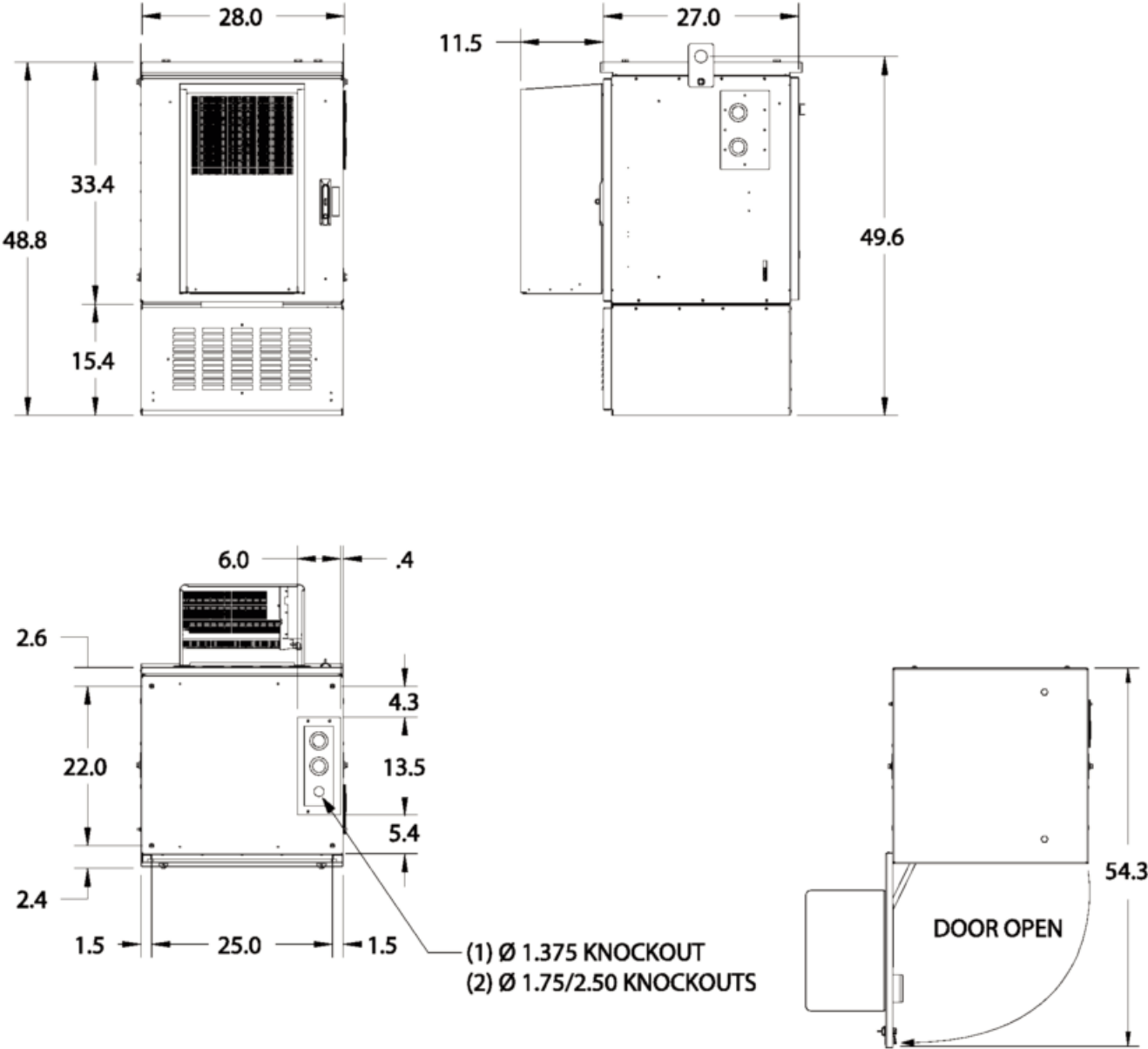
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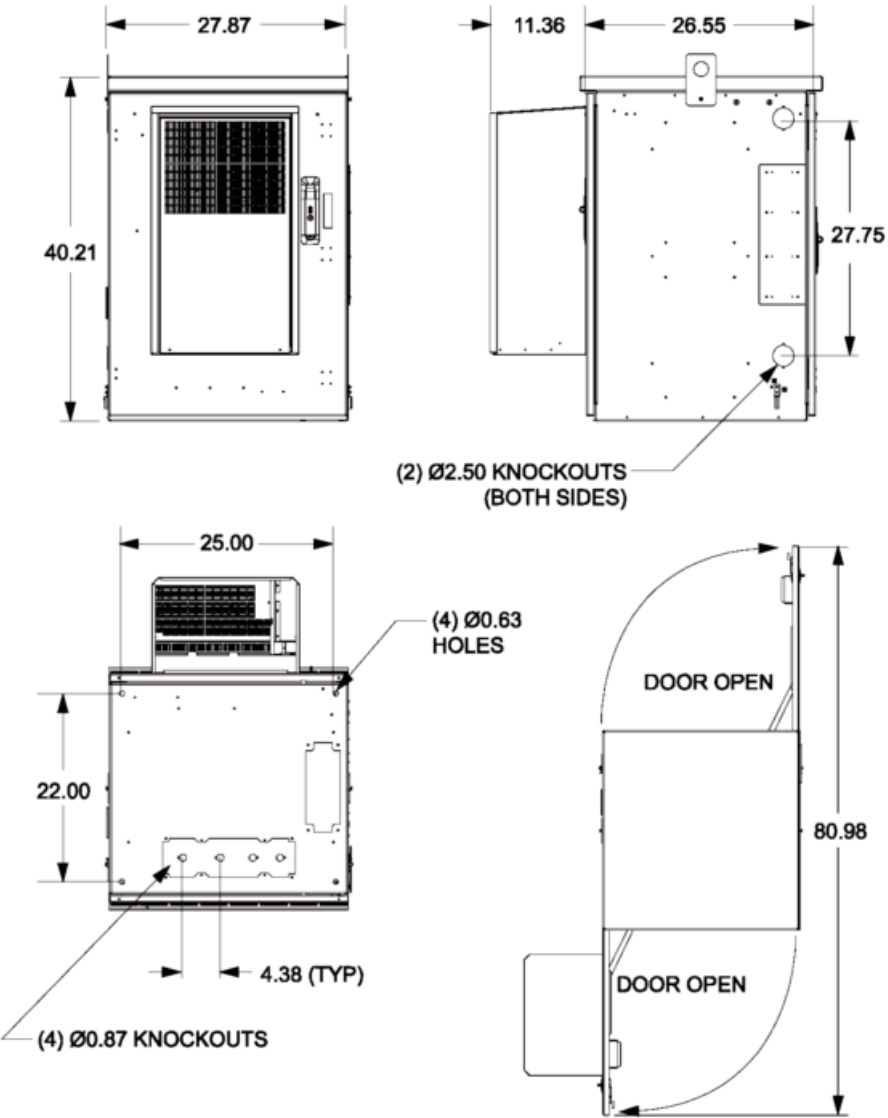


CUBE PM516 Dimensions

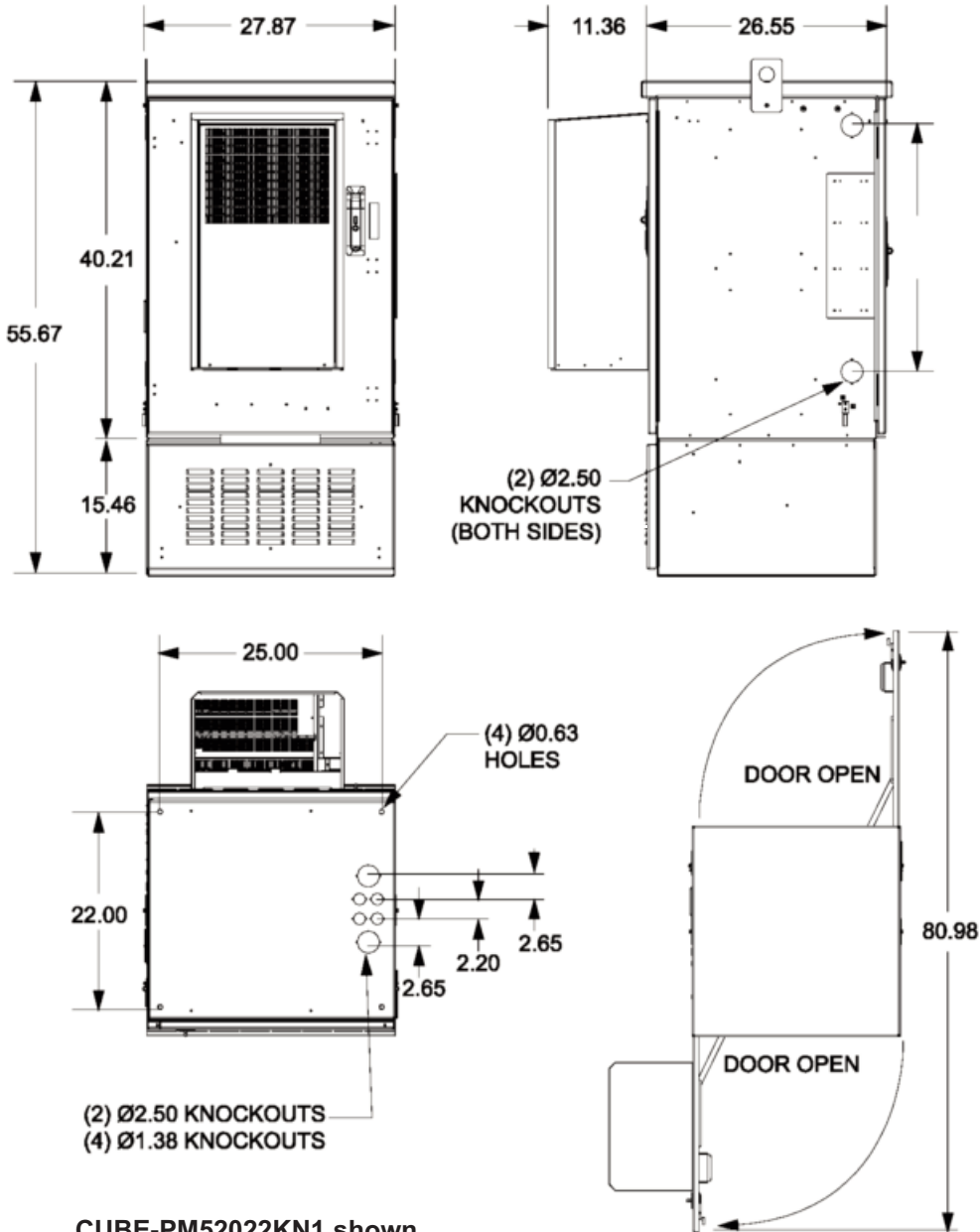


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CUBE PM520 Dimensions



CUBE-PM52012KN1 shown



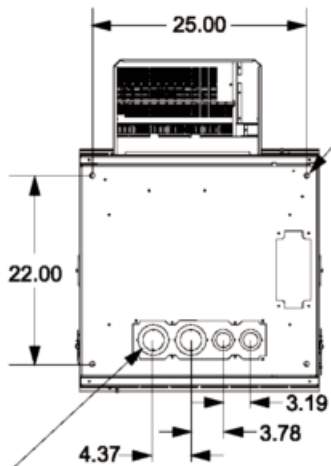
CUBE-PM52022KN1 shown

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CUBE PM524 Dimensions

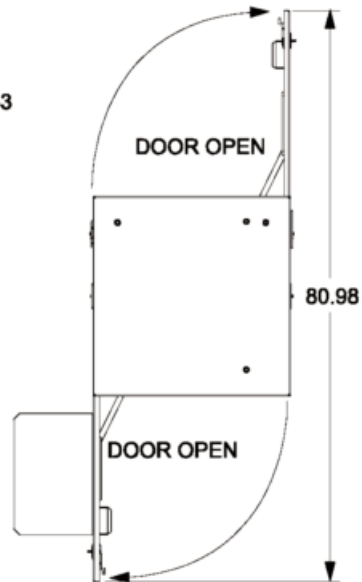


(2) Ø2.50 KNOCKOUTS
(1 ON OPPOSITE SIDE)

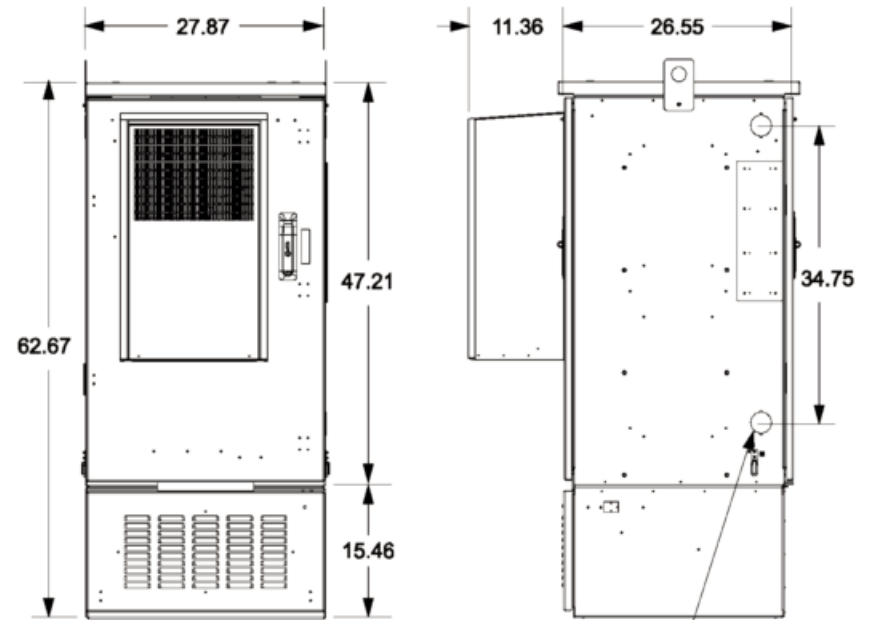


(2) Ø2.50/3.60 KNOCKOUTS
(2) Ø1.75/2.50 KNOCKOUTS

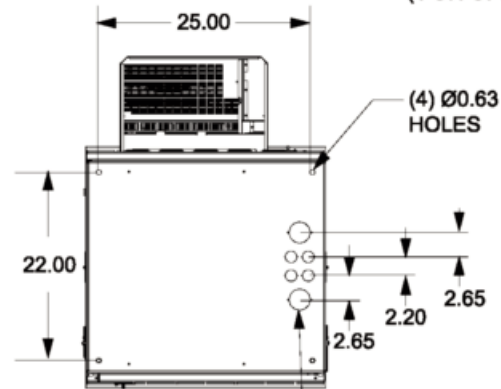
(4) Ø0.63 HOLES



CUBE-PM52412KN1 shown

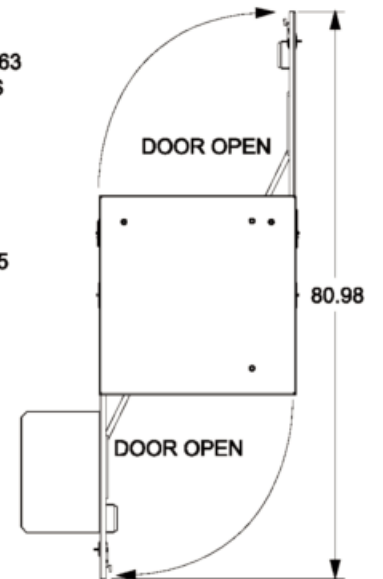


(2) Ø2.50 KNOCKOUTS
(1 ON OPPOSITE SIDE)



(2) Ø2.50 KNOCKOUTS
(4) Ø1.38 KNOCKOUTS

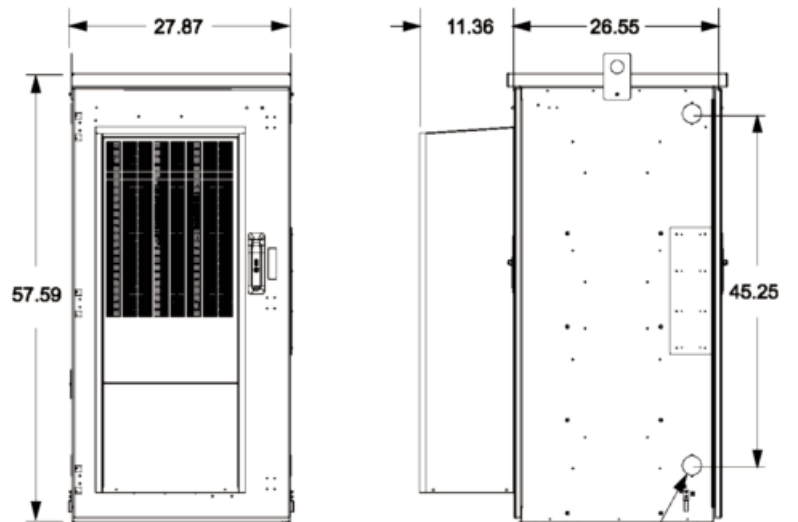
(4) Ø0.63 HOLES



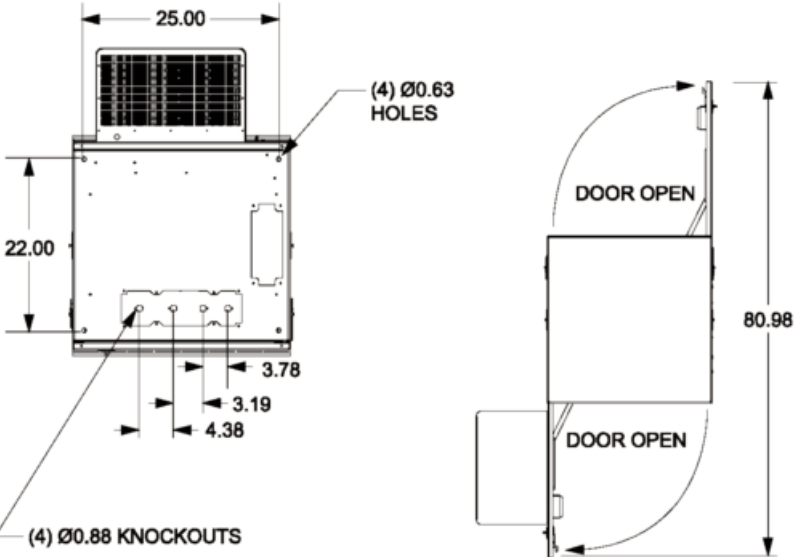
CUBE-PM52422KN1 shown

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CUBE PM530 Dimensions



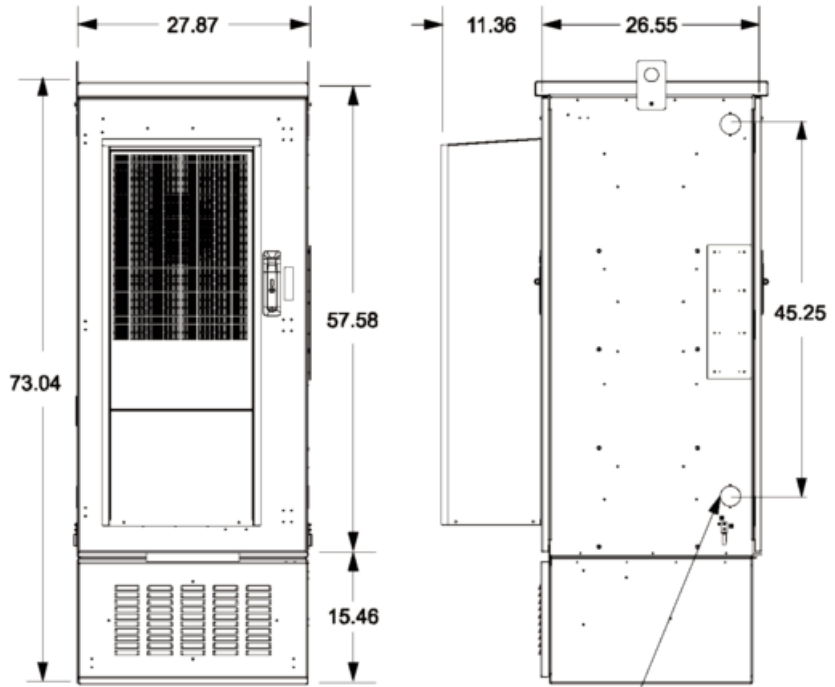
(2) Ø2.50 KNOCKOUTS (BOTH SIDES)



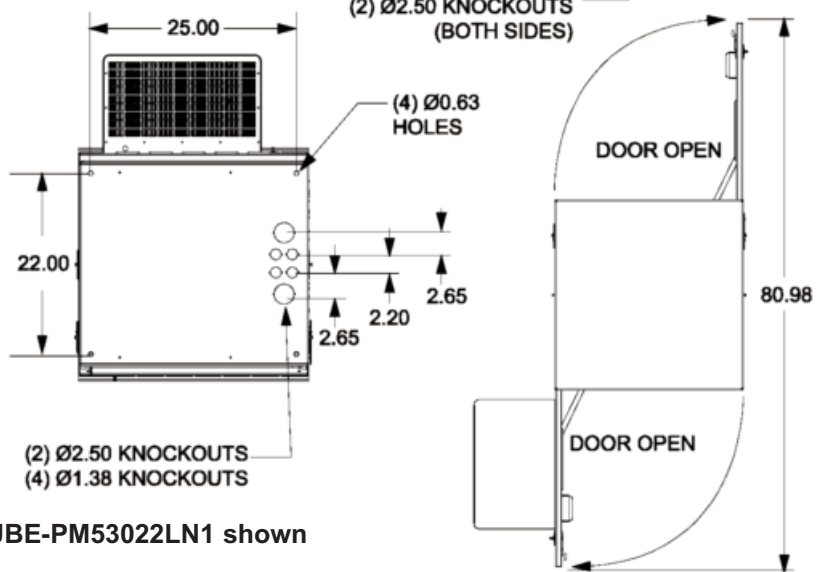
(4) Ø0.63 HOLES

(4) Ø0.88 KNOCKOUTS

CUBE-PM53012LN1 shown



(2) Ø2.50 KNOCKOUTS (BOTH SIDES)



(2) Ø2.50 KNOCKOUTS
(4) Ø1.38 KNOCKOUTS

CUBE-PM53022LN1 shown

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