

Charles Universal Broadband Enclosures (CUBE) Macro Equipment Cabinets: CUBE PM639 Series



PM639 Series Enclosures can serve a wide range of radio and base station equipment such as power plants, routers, base band units, protection, site monitoring and fiber panels. With 39 RU of 19 or 23" rackmount space in both the front and rear, these rugged enclosures are available in many different configurations with an assortment of thermal options for even the most demanding heat dissipation needs. Options include integrated power, protection, fiber management, site monitoring, and electronic access control.

Specifications

Construction	0.125" Aluminum Welded Construction Outer Enclosure, Powder Coated Off White Finish
Mounting Style	Pad Mount
Thermal Management	1880W / 3500W Hx, 4K /10K HVAC
Rack Mounting	23", 39RU
Door Latching	3-Point Latching with Pad Lockable Handle (Front and Rear)
Optional Battery Compartment	One (1) string Tel.x 180 Ni-CD or one (1) string 155 Ah VRLA
Optional AC Termination	12 Position Load Center
Certifications	Telcordia GR-487-CORE, UL 60950
Ingress/Egress	

PM639 Series Macro Equipment Cabinets can be combined with Charles' CUBE Battery and Power Cabinets to form a complete CRAN Node Site.



CUBE PM639 Series

Charles Part #	Overall Dimensions	RU	Mounting Rails	Equipment Chamber Door	Equip. Chamber Dim. (in)	Battery Chamber Dim. (in)	Handoff Chamber Dim. (in)	Load Center	Thermal Specs	Weight Empty	Weight w/Ni-Cd Battery	Product Series
CUBE-PM63912JN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	4K BTU HVAC	425	—	PM639
CUBE-PM63912KN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	4K BTU DC Powered HVAC	425	—	PM639
CUBE-PM63912LN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	10K BTU DC Powered HVAC	450	—	PM639
CUBE-PM63915LN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	10K BTU DC Powered HVAC	450	—	PM639
CUBE-PM63915LN2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	10K BTU DC Powered HVAC	490	—	PM639
CUBE-PM63912LN2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	10K BTU DC Powered HVAC	490	—	PM639
CUBE-PM63912LN3	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	10K BTU DC Powered HVAC	490	—	PM639
CUBE-PM63912MC1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	1880W 48VDC HX	340	—	PM639
CUBE-PM63912MC2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	12 Position	1880W 48VDC HX	485	—	PM639
CUBE-PM63912MN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	1880W 48VDC HX	320	—	PM639
CUBE-PM63912MN2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	1880W 48VDC HX	434	—	PM639
CUBE-PM63912MN3	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	1880W 48VDC HX	394	—	PM639
CUBE-PM63912TN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	3500W 48VDC HX	450	—	PM639
CUBE-PM63912TN2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	3500W 48VDC HX	500	—	PM639
CUBE-PM63912TN3	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	3500W 48VDC HX	560	—	PM639
CUBE-PM63912UC1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	12 Position	10K BTU AC	450	—	PM639
CUBE-PM63912UN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	10K BTU AC	450	—	PM639
CUBE-PM63912UN2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	10K BTU AC	490	—	PM639
CUBE-PM63912UN3	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	10K BTU AC	490	—	PM639
CUBE-PM63915MN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	1880W 48VDC HX	320	—	PM639
CUBE-PM63915MN2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	1880W 48VDC HX	394	—	PM639
CUBE-PM63915MN3	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	1880W 48VDC HX	394	—	PM639
CUBE-PM63915UN3	74x32x32	39	(2) 23" Fixed Rail	Front & Rear Pnl	73x32x32	None	None	None	10K BTU AC	490	—	PM639
CUBE-PM63912US2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	10K BTU AC	—	—	PM639
CUBE-PM63912YJ2	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	(2) 10K BTU AC	670	—	PM639
CUBE-PM63912YN1	74x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	None	None	None	(2) 10K BTU AC	620	—	PM639
CUBE-PM63922JN1	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	None	4K BTU HVAC	550	907	PM639
CUBE-PM63922LN1	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	None	(2) 48V 10K BTU AC	725	1082	PM639
CUBE-PM63922MC1	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	12 Position	1880W 48VDC HX	550	907	PM639
CUBE-PM63922MC2	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	12 Position	1880W 48VDC HX	600	957	PM639
CUBE-PM63922RF2	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	12 Position	4K BTU AC & 750W 24VDC HX	500	857	PM639
CUBE-PM63922RF4	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	12 Position	4K BTU AC & 750W 48VDC HX	550	907	PM639
CUBE-PM63922RF6	89x32x33	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x33	None	Intersect	4K BTU AC & 750W 24VDC HX	650	1007	PM639
CUBE-PM63922RF8	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	12 Position	4K BTU AC & 750W 48VDC HX	550	907	PM639
CUBE-PM63922WC2	89x32x32	39	(2) 23" Fixed Rail	Front & Rear	73x32x32	15x32x32	None	12 Position	1880W 48VDC HX, 10K BTU AC	770	1127	PM639
CUBE-PM63926RN1	74x32x32	15/23	(1) 23" Fixed Rail	Front & Rear	26x32x32	46x32x32	None	None	48V 4K BTU AC & 750W 48VDC HX	550	—	PM639

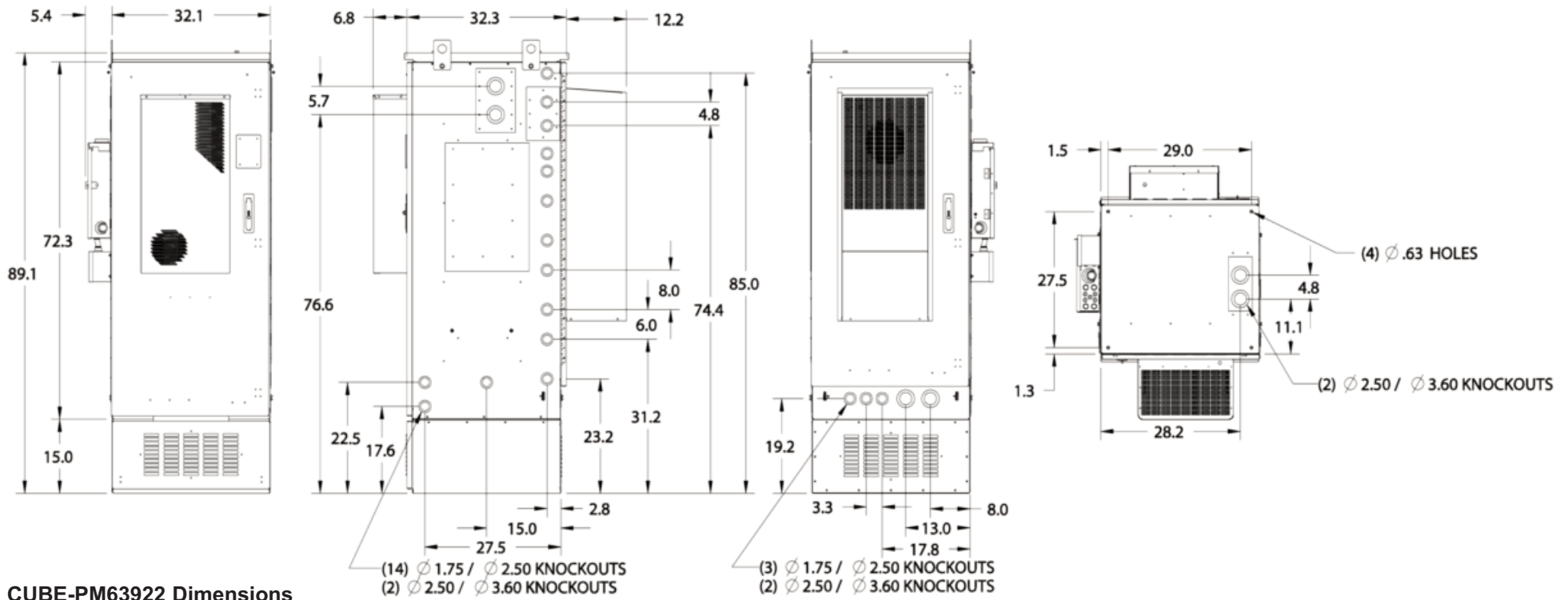
Integrated Power Configuration Details for CUBE models on this page are given on pages 3-4

Integrated Power Configuration Details for CUBE PM639XX Models

Charles Part # (CUBE-)	Integrated Power System	Rectifier Slots	Rectifiers in Configuration	Circuit Breaker Positions	DC Breakers in Configuration	GMT Positions	AC Input Voltage	Load Center	Main Breaker	AC Load Breakers	# Open Positions
CUBE-PM63912JN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63912KN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63912LN1 CUBE-PM63915LN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63912LN2 CUBE-PM63915LN2	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E	8	None	26	(1) 3A - Lights (1) 30A for AC	None	None	None	None	None	None
CUBE-PM63912LN3	Emerson Netsure502, 400A 582136800	11	None	48	(1) 3A - Lights (1) 30A for AC	None	None	None	None	None	None
CUBE-PM63912MC1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63912MC2	GE Infinity S, 48/24V, 400A NES4824-23-AC1-PS8-DC1E	8	(4) 50A, 48V	26	(1) 3A - Lights (1) 10A for HX (3) 10A (6) 15A (2) 20A	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (4) 40A 2P - Rect	3
CUBE-PM63912MN1 CUBE-PM63915MN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63915MN2	Emerson Netsure502, 400A 582136800	11	None	48	(1) 3A - Lights (1) 10A for HX	None	220	None	None	None	None
CUBE-PM63912MN3 CUBE-PM63915MN3	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E	8	None	26	(1) 3A - Lights (1) 10A for HX	None	None	None	None	None	None
CUBE-PM63912TN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63912TN2	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E	8	None	26	(1) 3A - Lights (1) 10A for HX	None	None	None	None	None	None
CUBE-PM63912TN3	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS16-DC2E	16	None	52	(1) 3A - Lights (1) 10A for HX	None	None	None	None	None	None
CUBE-PM63912UC1	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI, (1) 20A 2P - A/C	9
CUBE-PM63912UN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63915UN3	Emerson Netsure502, 400A 582136800	11	None	48	(1) 3A - Lights	None	None	None	None	None	None
CUBE-PM63912UN3 / CUBE-PM63915UN3	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E	8	None	26	(1) 3A - Lights	None	None	None	None	None	None
CUBE-PM63912US2	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E	8	None	26	(1) 3A - Lights	None	220	Intersect 30 Pos.	200A	(1) 15A for GFCI, (1) 20A 2P - A/C (4) 40A 2P - Rect	19
CUBE-PM63912YJ2	GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E	8	None	26	None	None	220	20 Pos.	200A	(1) 15A for GFCI, (1) 20A 2P - A/C (4) 40A 2P - Rect	7
CUBE-PM63912YN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63922JN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63922LN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63922MC1	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI	11
CUBE-PM63922MC2	GE Infinity S, 48/24V, 400A NES4824-23-AC1-PS8-DC1E	8	(3) 50A, 48V	26	(1) 3A - Lights (1) 10A for HX (2) 20A (2) 100A	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (4) 20A 2P - Rect (2) 20A Quad Outlet	5

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Charles Part # (CUBE-)	Integrated Power System	Rectifier Slots	Rectifiers in Configuration	Circuit Breaker Positions	DC Breakers in Configuration	GMT Positions	AC Input Voltage	Load Center	Main Breaker	AC Load Breakers	# Open Positions
CUBE-PM63922RF2	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (1) 20A - A/C, (2) 40A 2P	6
CUBE-PM63922RF4	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (1) 20A - A/C	10
CUBE-PM63922RF6	Eltek Compact, 24V CC9S-BPL-VVS	4	(3) 60A, 24V	4	(1) 3A - Lights (2) 60A	20	220	200A Power Transfer Center	200A	(1) 15A for GFCI (1) 15A for Heater (2) 2P 40A - Rect, (1) 20A - A/C	23
CUBE-PM63922RF8	Eltek Compact, 200A, 48V CK3S-ANN-VC	3	None	4	(1) 3A - Lights (1) 100A	10	220	12 Pos.	125A 2P	(1) 15A for GFCI (1) 20A - A/C, (1) 60A 2P - Rect	8
CUBE-PM63922RN1	None	None	None	None	None	None	None	None	None	None	None
CUBE-PM63922WC2	GE Infinity S, 48/24V, 400A NES4824-23-AC1-PS8-DC1E	8	(3) 50A, 48V	26	(1) 3A - Lights (1) 10A for HX (2) 20A, (2) 100A	None	220	12 Pos.	125A 2P	(1) 15A for GFCI, (1) 20A 2P for A/C (4) 20A 2P - Rect (2) 20A Quad Outlet	3
CUBE-PM63926RN1	None	None	None	None	None	None	None	None	None	None	None



CUBE PM639 Series

CUBE PM639 SERIES ACCESSORY ITEMS

PART NUMBER	DESCRIPTION
97-001990-A	19" Rackmount Slide Tray
97-001999-A	23" Rackmount Slide Tray
97-002162-A	6" Plinth for CUBE-PM6XXXX Series
97-002178-A	Folding Laptop Kit
97-002194-A	Blank Cover for Load Center
97-002196-A	3 Pair 2/0 Cable and Conduit Kit for SS & BBU Cabinet Lineup
97-002216-A	Wall Mount Kit for PM616 Cabinet. Not for PM639 Cabinets.
97-002222-A	PM639 Door Assembly Kit with 10KBTU Air Conditioner, 220VAC
97-002228-A	8" Top Hat Cable Entry Kit for PM616 and PM639 Cabinets. Order this for field install.
97-002242-A	PM639 Door Assembly Kit with 19KBTU Air Conditioner, 220VAC
97-002555-A	4 Pair 2/0 Cable and Conduit Kit for SS & BBU Cabinet Lineup
97-002567-A	(4) 2" Diameter, Rigid Conduit and Connectors, 6" Long
97-002570-A	4/0 Cable Kit for SS & BBU Cabinet Lineup
97-002284-A	Kit, PM639 Alarm Panel (12) Lightning Protectors
03-200879-0	Alarm Cable Between Alarm Panel and ALU Alarm Card

FACTORY INSTALLED OPTIONS

96-000002-A	Installation of Smoke Alarm, -48VDC
96-000003-A	Retractable Overhang for PM6, SS, BB Cabinets
96-PM639RK19EXT	23" to 19" Rack Extender Kit for PM639 Cabinets, Front & Rear
96-PM6BERTECPNL	Roxtec Bottom Entry panel with 3 20-port seals for use with CUBE-PM63912xxx
96-ROXTEC2X3KFO	Roxtec Hybrid Cable Entry Panel For PM639 Cabinet: 6 Ports
96-ROXTEC2X9CRL	Cable Entry Panel with 2 Roxtec Entry Ports, 9 ports ea, 18 total
96-TLHPGMT10FA	Installation of Telect HPGMT10FA Fuse Panel in Cabinet
97-002230-A	Installation of 8" Top Hat Cable Entry Kit for PM616 and PM639 Cabinets
96-PM6JCTBOX1R	Add-on 24"Hx15"Wx10"D Junction Box for Cable Entry