

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



**MADE IN THE
USA**

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-PM63922RN1 | 89x32x32 | 39 | (2) 19" Fixed Rail | Front & Rear | 73x32x32 | 15x32x32 | None | None | 4K BTU AC & 750W 48VDC HX | 550 | — | 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

CUBE PM639 Series

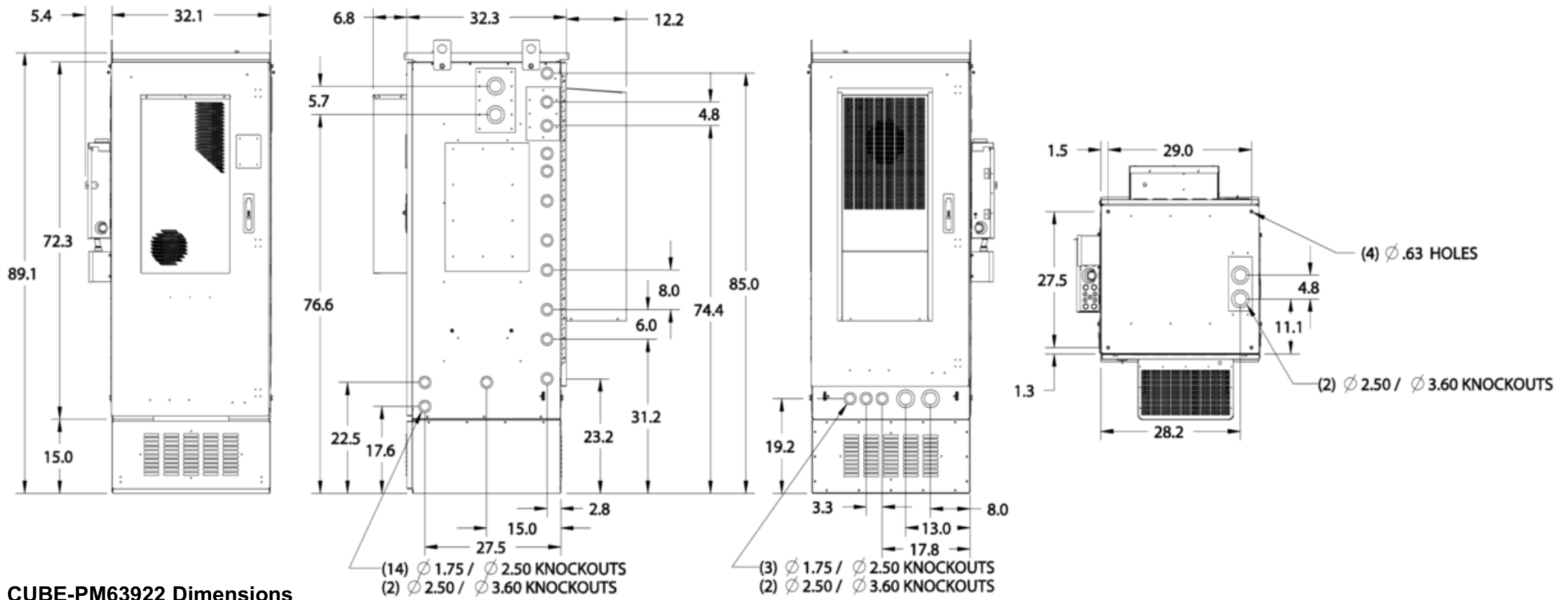
Integrated Power Configuration Details for CUBE PM639XX Models

| 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 |
|----------------------------|---|-----------------|-----------------------------|---------------------------|---|---------------|------------------|----------------------|--------------|--|------------------|
| PM63912JN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63912KN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63912LN1 PM63915LN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63912LN2 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 |
| PM63912LN3 | Emerson Netsure502, 400A 582136800 | 11 | None | 48 | (1) 3A - Lights (1) 30A for AC | None | None | None | None | None | None |
| PM63912MC1 | None | None | None | None | None | None | None | None | None | None | None |
| 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 |
| PM63912MN1 PM63915MN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63915MN2 | Emerson Netsure502, 400A 582136800 | 11 | None | 48 | (1) 3A - Lights (1) 10A for HX | None | 220 | None | None | None | None |
| PM63912MN3 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 |
| PM63912TN1 | None | None | None | None | None | None | None | None | None | None | None |
| 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 |
| 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 |
| PM63912UC1 | None | None | None | None | None | None | 220 | 12 Pos. | 125A 2P | (1) 15A for GFCI, (1) 20A 2P - A/C | 9 |
| PM63912UN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63915UN3 | Emerson Netsure502, 400A 582136800 | 11 | None | 48 | (1) 3A - Lights | None | None | None | None | None | None |
| PM63912UN3 / PM63915UN3 | GE Infinity S, 48/24V, 400A NES4824-23-AC5-PS8-DC1E | 8 | None | 26 | (1) 3A - Lights | None | None | None | None | None | None |
| 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 |
| 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 |
| PM63912YN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63922JN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63922LN1 | None | None | None | None | None | None | None | None | None | None | None |
| PM63922MC1 | None | None | None | None | None | None | 220 | 12 Pos. | 125A 2P | (1) 15A for GFCI | 11 |
| 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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CUBE PM639 Series

| 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 |
|------------------------|--|-----------------|-----------------------------|---------------------------|--|---------------|------------------|----------------------------|--------------|--|------------------|
| PM63922RF2 | None | None | None | None | None | None | 220 | 12 Pos. | 125A 2P | (1) 15A for GFCI (1) 20A - A/C, (2) 40A 2P | 6 |
| PM63922RF4 | None | None | None | None | None | None | 220 | 12 Pos. | 125A 2P | (1) 15A for GFCI (1) 20A - A/C | 10 |
| 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 |
| 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 |
| PM63922RN1 | None | None | None | None | None | None | None | None | None | None | None |
| 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 |
| PM63926RN1 | None | None | None | None | None | None | None | None | None | None | None |



CUBE-PM63922 Dimensions
(All units in inches)

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. |
| 97-002239-A | Battery Compartment for PM6xx cabinet. Used for cabinets originally purchased w/o battery compartment |
| 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 |