

Charles Universal Broadband Enclosures (CUBE) CISH51 Radio Shrouds

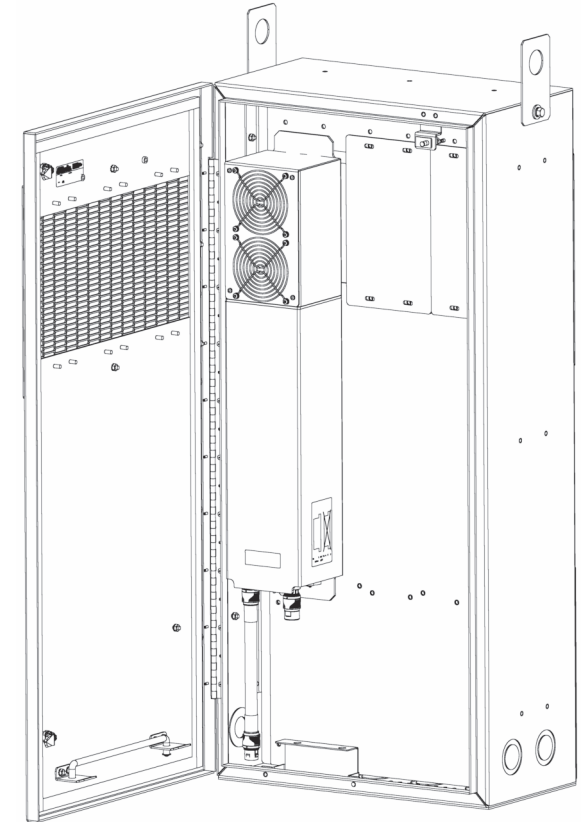


The CISH51 is a flexible shroud designed to accommodate different configurations/combinations of DAS remote units. The shroud allows for maximum configuration flexibility in minimal real estate. It is designed to enable airflow while minimizing the noise associated with the fans in the ION radios. It may be mounted on a pole, plinth or on the ground.

CISH51 are available in three sizes. Standard size (CISH51) is 49"Hx22.5"Wx12.5"D. A wider version (CISH51LG) measures 49"Hx32"Wx12.5"D, and a shorter version (CISH51ST) measures 42"Hx22.5"Wx12.5"D.

Each shroud includes two (2) padlockable 216-style 1/4 turn latches, door alarm/indicator switch, door wind latch, 2x8-position ground bar, adjustable mounting rails, blank cover plates, and two lifting brackets.

In order to support various configurations, different internal mountings and mounting positions are used. See tables on pages 3-4 for equipment needed for a given installation.



Dimensions:
Weight:

Material:
Bonding and Grounding:
Operation Temp. Range, Inside Enclosure:
Operation Temp. Range, Outside Enclosure:
Humidity:
Altitude:

CISH51
49"Hx22.5"Wx12.5"D
65 lbs.

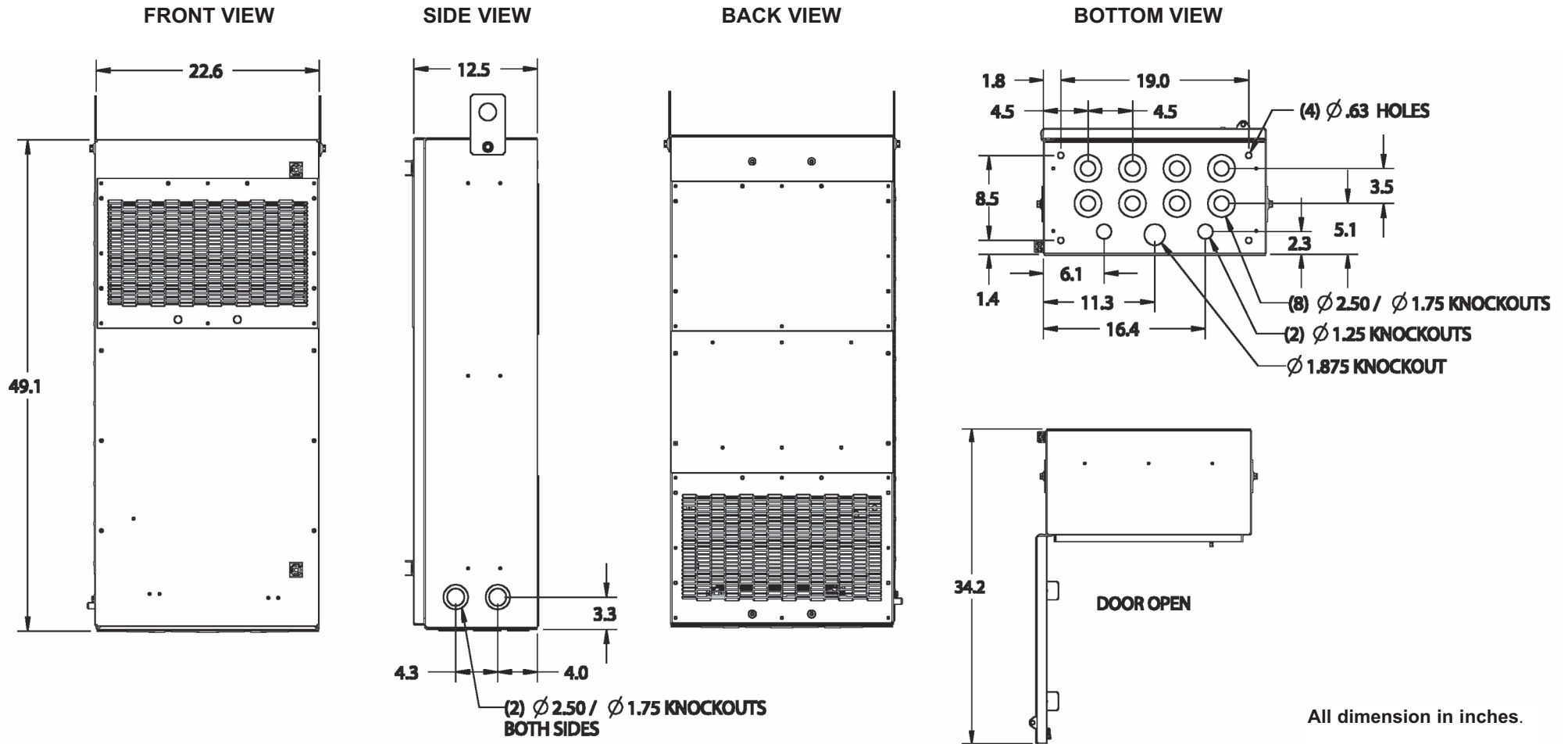
CISH51LG
49"Hx32"Wx12.5"D
95 lbs.

CISH51ST
42"Hx22.5"Wx12.5"D
55 lbs.

.125" Welded Aluminum
(1) 2x8-Position Ground Bar, (1) 2-Conductor External Lug
-40° to +149°F (-40° to 65°C)
-40° to +115°F (-40° to 46°C)
0 to 95% (Non-Condensing)
Up to 6,560 Feet (2000 Meters)

CISH51 Radio Shrouds

CISH51 DIMENSIONAL VIEWS



CISH51LG is 32" in width, other dimensions as shown.
 CISH51ST is 42" in height, other dimensions as shown.

CISH51 Radio Shrouds

CISH51 CONFIGURATIONS & COLOR OPTIONS

Config.	DIM. (in.)	RADIOS SUPPORTED	TEXTURED GRAY	NATIONAL PARK BROWN	OFF-WHITE	UNPAINTED	SKY WHITE	BLACK	HUNT CLUB GREEN
1	49x22.5x12.5	1 ION M	CUBE-CSH51G-1	CUBE-CSH51B-1	CUBE-CSH51-1	CUBE-CSH51U-1	CUBE-CSH51S-1	CUBE-CSH51F-1	CUBE-CSH51H-1
2	49x22.5x12.5	2 ION M	CUBE-CSH51G-2	CUBE-CSH51B-2	CUBE-CSH51-2	CUBE-CSH51U-2	CUBE-CSH51S-2	CUBE-CSH51F-2	CUBE-CSH51H-2
3	49x22.5x12.5	3 ION M	CUBE-CSH51G-3	CUBE-CSH51B-3	CUBE-CSH51-3	CUBE-CSH51U-3	CUBE-CSH51S-3	CUBE-CSH51F-3	CUBE-CSH51H-3
4	49x22.5x12.5	1 ION M2	CUBE-CSH51G-4	CUBE-CSH51B-4	CUBE-CSH51-4	CUBE-CSH51U-4	CUBE-CSH51S-4	CUBE-CSH51F-4	CUBE-CSH51H-4
5	49x22.5x12.5	2 ION M2	CUBE-CSH51G-5	CUBE-CSH51B-5	CUBE-CSH51-5	CUBE-CSH51U-5	CUBE-CSH51S-5	CUBE-CSH51F-5	CUBE-CSH51H-5
6	49x22.5x12.5	3 ION M2	CUBE-CSH51G-6	CUBE-CSH51B-6	CUBE-CSH51-6	CUBE-CSH51U-6	CUBE-CSH51S-6	CUBE-CSH51F-6	CUBE-CSH51H-6
7	49x22.5x12.5	1 ION ML	CUBE-CSH51G-7	CUBE-CSH51B-7	CUBE-CSH51-7	CUBE-CSH51U-7	CUBE-CSH51S-7	CUBE-CSH51F-7	CUBE-CSH51H-7
8	49x22.5x12.5	2 ION ML	CUBE-CSH51G-8	CUBE-CSH51B-8	CUBE-CSH51-8	CUBE-CSH51U-8	CUBE-CSH51S-8	CUBE-CSH51F-8	CUBE-CSH51H-8
9	49x22.5x12.5	1 ION M, 1 ION M2	CUBE-CSH51G-9	CUBE-CSH51B-9	CUBE-CSH51-9	CUBE-CSH51U-9	CUBE-CSH51S-9	CUBE-CSH51F-9	CUBE-CSH51H-9
10	49x22.5x12.5	2 ION M, 1 ION M2	CUBE-CSH51G-10	CUBE-CSH51B-10	CUBE-CSH51-10	CUBE-CSH51U-10	CUBE-CSH51S-10	CUBE-CSH51F-10	CUBE-CSH51H-10
11	49x22.5x12.5	1 ION M, 1 ION ML	CUBE-CSH51G-11	CUBE-CSH51B-11	CUBE-CSH51-11	CUBE-CSH51U-11	CUBE-CSH51S-11	CUBE-CSH51F-11	CUBE-CSH51H-11
12	49x22.5x12.5	1 ION M2, 1 ION ML	CUBE-CSH51G-12	CUBE-CSH51B-12	CUBE-CSH51-12	CUBE-CSH51U-12	CUBE-CSH51S-12	CUBE-CSH51F-12	CUBE-CSH51H-12
15	49x22.5x12.5	2 ION U	CUBE-CSH51G-15	CUBE-CSH51B-15	CUBE-CSH51-15	CUBE-CSH51U-15	CUBE-CSH51S-15	CUBE-CSH51F-15	CUBE-CSH51H-15
16	49x22.5x12.5	2 JMA TEKO VHP 5 Band	CUBE-CSH51G-16	CUBE-CSH51B-16	CUBE-CSH51-16	CUBE-CSH51U-16	CUBE-CSH51S-16	CUBE-CSH51F-16	CUBE-CSH51H-16
Accessories	Pole Mount Kit		97-002160G-A	97-002160B-A	97-002160-A	97-002160U-A	97-002160S-A	97-002160F-A	97-002160H-A
	5" Plinth		97-002203G-A	97-002203B-A	97-002203-A	97-002203U-A	97-002203S-A	97-002203F-A	97-002203H-A
	10" Plinth		97-002159G-A	97-002159B-A	97-002159-A	97-002159U-A	97-002159S-A	97-002159F-A	97-002159H-A
	Pad Mount Template		97-002224G-A	97-002224B-A	97-002224-A	97-002224U-A	97-002224S-A	97-002224F-A	97-002224H-A
	* Optional Noise Muffler (Required for Configs. 6 & 8)		97-002172G-A	97-002172B-A	97-002172-A	97-002172U-A	97-002172S-A	97-002172F-A	97-002172H-A

TOUCH UP PAINT

<u>Part #</u>	<u>Description</u>
02-200290-0	Off White Touch Up Paint
02-000592-0	Sky White Touch Up Paint
02-000589-0	Textured Gray Touch Up Paint
02-000590-0	Black Touch Up Paint
02-000585-0	National Park Brown Touch Up Paint

CISH51 Radio Shrouds

CISH51LG CONFIGURATIONS & COLOR OPTIONS

Config.	DIM. (in.)	RADIOS SUPPORTED	TEXTURED GRAY	NATIONAL PARK BROWN	OFF-WHITE	UNPAINTED	SKY WHITE	BLACK	HUNT CLUB GREEN
1	49x32.5x12.5	1 ION M	CUBE-CSH51LG1G	CUBE-CSH51LG1B	CUBE-CSH51LG1	CUBE-CSH51LG1U	CUBE-CSH51LG1S	CUBE-CSH51LG1F	CUBE-CSH51LG1H
2	49x32.5x12.5	2 ION M	CUBE-CSH51LG2G	CUBE-CSH51LG2B	CUBE-CSH51LG2	CUBE-CSH51LG2U	CUBE-CSH51LG2S	CUBE-CSH51LG2F	CUBE-CSH51LG2H
3	49x32.5x12.5	3 ION M	CUBE-CSH51LG3G	CUBE-CSH51LG3B	CUBE-CSH51LG3	CUBE-CSH51LG3U	CUBE-CSH51LG3S	CUBE-CSH51LG3F	CUBE-CSH51LG3H
4	49x32.5x12.5	1 ION M2	CUBE-CSH51LG4G	CUBE-CSH51LG4B	CUBE-CSH51LG4	CUBE-CSH51LG4U	CUBE-CSH51LG4S	CUBE-CSH51LG4F	CUBE-CSH51LG4H
5	49x32.5x12.5	2 ION M2	CUBE-CSH51LG5G	CUBE-CSH51LG5B	CUBE-CSH51LG5	CUBE-CSH51LG5U	CUBE-CSH51LG5S	CUBE-CSH51LG5F	CUBE-CSH51LG5H
6	49x32.5x12.5	3 ION M2	CUBE-CSH51LG6G	CUBE-CSH51LG6B	CUBE-CSH51LG6	CUBE-CSH51LG6U	CUBE-CSH51LG6S	CUBE-CSH51LG6F	CUBE-CSH51LG6H
7	49x32.5x12.5	1 ION ML	CUBE-CSH51LG7G	CUBE-CSH51LG7B	CUBE-CSH51LG7	CUBE-CSH51LG7U	CUBE-CSH51LG7S	CUBE-CSH51LG7F	CUBE-CSH51LG7H
8	49x32.5x12.5	2 ION ML	CUBE-CSH51LG8G	CUBE-CSH51LG8B	CUBE-CSH51LG8	CUBE-CSH51LG8U	CUBE-CSH51LG8S	CUBE-CSH51LG8F	CUBE-CSH51LG8H
9	49x32.5x12.5	1 ION M, 1 ION M2	CUBE-CSH51LG9G	CUBE-CSH51LG9B	CUBE-CSH51LG9	CUBE-CSH51LG9U	CUBE-CSH51LG9S	CUBE-CSH51LG9F	CUBE-CSH51LG9H
10	49x32.5x12.5	2 ION M, 1 ION M2	CUBE-CSH51LG10G	CUBE-CSH51LG10B	CUBE-CSH51LG10	CUBE-CSH51LG10U	CUBE-CSH51LG10S	CUBE-CSH51LG10F	CUBE-CSH51LG10H
11	49x32.5x12.5	1 ION M, 1 ION ML	CUBE-CSH51LG11G	CUBE-CSH51LG11B	CUBE-CSH51LG11	CUBE-CSH51LG11U	CUBE-CSH51LG11S	CUBE-CSH51LG11F	CUBE-CSH51LG11H
12	49x32.5x12.5	1 ION M2, 1 ION ML	CUBE-CSH51LG12G	CUBE-CSH51LG12B	CUBE-CSH51LG12	CUBE-CSH51LG12U	CUBE-CSH51LG12S	CUBE-CSH51LG12F	CUBE-CSH51LG12H
13	49x32.5x12.5	3 ION ML	CUBE-CSH51LG13G	CUBE-CSH51LG13B	CUBE-CSH51LG13	CUBE-CSH51LG13U	CUBE-CSH51LG13S	CUBE-CSH51LG13F	CUBE-CSH51LG13H
14	49x32.5x12.5	2 ION M, 1 ION ML	CUBE-CSH51LG14G	CUBE-CSH51LG14B	CUBE-CSH51LG14	CUBE-CSH51LG14U	CUBE-CSH51LG14S	CUBE-CSH51LG14F	CUBE-CSH51LG14H
Accessories		Pole Mount Kit	97-002160G-A	97-002160B-A	97-002160-A	97-002160U-A	97-002160S-A	97-002160F-A	97-002160H-A
		5" Plinth	97-002267G-A	97-002267B-A	97-002267-A	97-002267U-A	97-002267S-A	97-002267F-A	97-002267H-A
		Pad Mount Template	97-002268G-A	97-002268B-A	97-002268-A	97-002268U-A	97-002268S-A	97-002268F-A	97-002268H-A

CISH51ST CONFIGURATIONS & COLOR OPTIONS

Config.	DIM. (in.)	RADIOS SUPPORTED	TEXTURED GRAY	NATIONAL PARK BROWN	OFF-WHITE	UNPAINTED	SKY WHITE	BLACK	HUNT CLUB GREEN
1	42x22.5x12.5	1 ION M	CUBE-CSH51STG1	CUBE-CSH51STB1	CUBE-CSH51ST1	CUBE-CSH51STU1	CUBE-CSH51STS2	CUBE-CSH51STF1	CUBE-CSH51STH1
7	42x22.5x12.5	1 ION ML	CUBE-CSH51STG7	CUBE-CSH51STB7	CUBE-CSH51ST7	CUBE-CSH51STU7	CUBE-CSH51STS7	CUBE-CSH51STF7	CUBE-CSH51STH7
12	42x22.5x12.5	1 ION M2, 1 ION ML	CUBE-CSH51STG12	CUBE-CSH51STB12	CUBE-CSH51ST12	CUBE-CSH51STU12	CUBE-CSH51STS12	CUBE-CSH51STF12	CUBE-CSH51STH12
Accessories		Pole Mount Kit	97-002160G-A	97-002160B-A	97-002160-A	97-002160U-A	97-002160S-A	97-002160F-A	97-002160H-A
		5" Plinth	97-002203G-A	97-002203B-A	97-002203-A	97-002203U-A	97-002203S-A	97-002203F-A	97-002203H-A
		10" Plinth	97-002159G-A	97-002159B-A	97-002159-A	97-002159U-A	97-002159S-A	97-002159F-A	97-002159H-A
		Pad Mount Template	97-002224G-A	97-002224B-A	97-002224-A	97-002224U-A	97-002224S-A	97-002224F-A	97-002224H-A