



## Ideal for

- Emergency Comms
- Wireless Internet Access (Primary & Failover)
- Operation of Dual Sims
- High Speed/High Quality Video Transmission

## Newfoundland High Capacity Emergency Mobile Hot Spot

Up to 13 in 1



- 8X8 MIMO LTE
- 4x4 MIMO WIFI
- GPS/GNSS
- 5G Ready

## Features

- PORTABLE CASE
- 5G
- WIFI 6
- 617MHz - 5925MHz\*
- HIGH EFFICIENCY
- HIGH PERFORMANCE

\*See inside for details



## Product Description

The Newfoundland Emergency Hot Spot is a large IP67 case with built-in antennas that are optimized for the extra thick (3.5mm) plastic used in industry strength cases. Both sets of LTE and WIFI antennas were designed for maximum performance even in remote areas where the cellular infrastructure may have been compromised. Parsec has taken the unique approach to design all antennas to fit safely into the lid of the case reducing damage and loss of performance due to hard use.

The Newfoundland is configurable up to a 13 in 1 with up to 2 sets of 4X4 MIMO LTE, 4X4 MIMO WIFI and GPS/GNSS capable of running dual SIM's simultaneously. This 5G ready, 600 MHz - 6 GHz antenna is both portable and IP67 rating.

The Newfoundland is configurable as a standard antenna only format, or a fully dressed out and ready for deployment version that includes a router baseplate, cover and cable management already installed. Router, SIM, and optional battery purchased seperatly.

Parsec's complete design includes fans and exhaust ports for extended temperature operation.



## Operation Time

- Chargetech 54k Battery: 20 - 24hrs

## Frequency Ranges

### LTE Frequency Range

- 617 - 894 MHz
- 1710 - 2700 MHz
- 3400 - 4000 MHz
- 5150 - 5925 MHz

### WIFI Frequency Range

- 2400 - 2483.5 MHz
- 4900 - 5900 MHz

## *LTE Bands* (US Carriers)

<b>AT&amp;T</b>	2, 4, 5, 14, 17, 29, 30, 48, 66
<b>Verizon</b>	2, 4, 5, 13, 48, 66
<b>T-Mobile</b>	2, 4, 12, 48, 66, 71
<b>Sprint</b>	2, 25, 26, 41, 48
<b>Mechanical</b>	
<b>Dimensions</b>	22.8" x 18.3" x 11.7"
<b>Internal Dimensions (LxWxH)</b>	20.5" x 15.3" x 10.1"
<b>Lock Hole Dimension</b>	0.3 INCH
<b>RF Cable Length</b>	2 foot cable
<b>Environmental</b>	
<b>Operating Temperature</b>	-40°C to 85°C
<b>Ingress Protection</b>	IP67

## *Electrical Specifications*

ID	Port	Parameters	Units	Typ.
<b>Radiated Efficiency</b>	LTE-1 thru 8	617 – 698 MHz		75
	LTE-1 thru 8	698 – 894 MHz		85
	LTE-1 thru 8	1695 – 2700 MHz		85
	LTE-1 thru 8	3400 – 3800 MHz	%	75
	LTE-1 thru 8	5150 – 5925 MHz		60
	WiFi-1,2,3,4	2400 – 2483.5 MHz		80
	WiFi-1,2,3,4	4900 – 5900 MHz		70
<b>Peak Gain</b>	LTE-1 thru 8	617 – 894 MHz		5
	LTE-1 thru 8	698 – 894 MHz		6
	LTE-1 thru 8	1695 – 2700 MHz		6
	LTE-1 thru 8	3400 – 3800 MHz	dBi	8
	LTE-1 thru 8	5150 – 5925 MHz		6
	WiFi-1,2,3,4	2400 – 2483.5 MHz		5
	WiFi-1,2,3,4	4900 – 5900 MHz		7
<b>Return Loss (50 Ω)</b>	LTE-1 thru 8	617 – 894 MHz		7.5
	LTE-1 thru 8	698 – 894 MHz		11
	LTE-1 thru 8	1695 – 2700 MHz		11
	LTE-1 thru 8	3400 – 3800 MHz	dB	9.5
	LTE-1 thru 8	5150 – 5925 MHz		6.5
	WiFi-1,2,3,4	2400 – 2483.5 MHz		15
	WiFi-1,2,3,4	4900 – 5900 MHz		9

## Electrical Specifications (Continued)

Isolation	LTE	617 – 894 MHz		13
	LTE	1710– 2700MHz		13
	LTE	3400 – 3800 MHz		18
	LTE	5150 – 5925 MHz	dB	22
				27
	Wi-Fi	2400 – 2483.5 MHz		30
	Wi-Fi	4900 – 5900 MHz		35
Polarization	LTE, Wi-Fi			Linear
Max Input Power	LTE, Wi-Fi		Watts	60
RF Connector	LTE			SMA(M)
	Wi-Fi			RP-SMA(M)
RF Cable Type	LTE, Wi-Fi			RG-58
Notes:				
1. LTE-1 thru 4 are grouped together for one modem with LTE-5 thru 8 connected to the other modem.				
2. Isolation and return loss spec. does not include cable loss.				
3. The antenna has 2 ft. long RG-58 pigtails.				

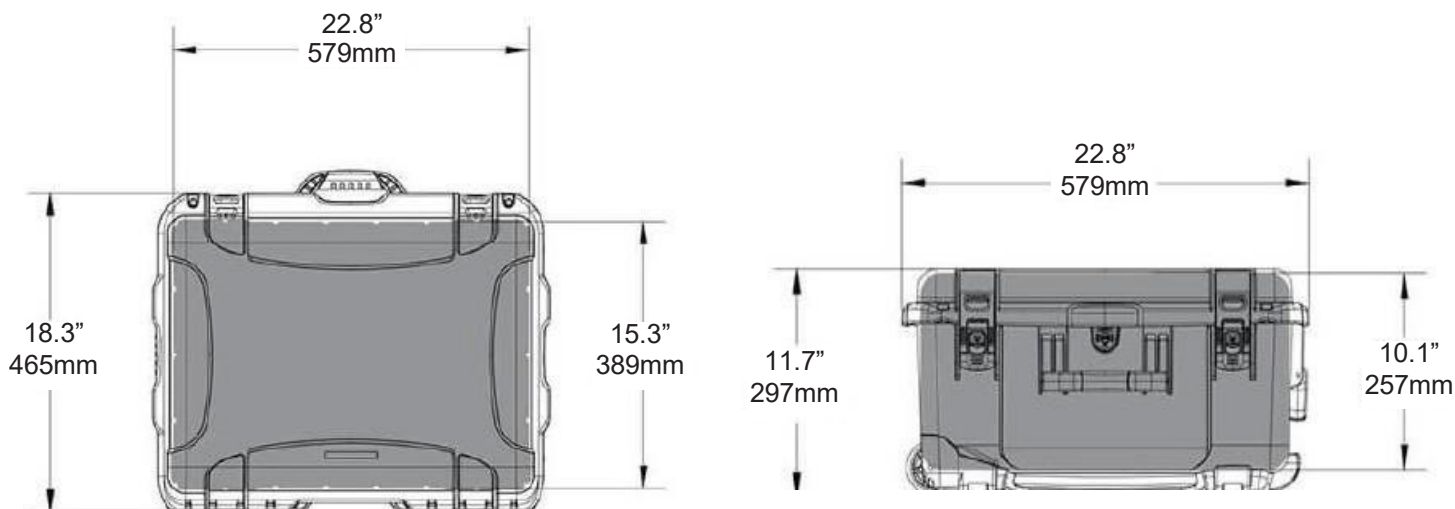
Notes:

*Battery, Router, and SIM card are not included.* Customers should contact Parsec's authorized Distributors and VAR's listed on our website for a full list of routers and other options that will complete the Emergency Hot Spot.

SMA connectors have a max torque of 3-5 inch lbs.

For more information on the case, please visit: <https://nanuk.com/collections/large-cases/products/nanuk-950>

## Product Dimensions



## Ordering

Our Newfoundland Antenna consists of a Protective Case with the antenna built into the lid. It also has wheels, and an expandable handle.

Configurations	Part Number	Description
5:1	PRO5N4LG	4 LTE, GPS, black case with antenna built into lid
9:1	PRO9N4L4WG	4 LTE, 4 WiFi, GPS, black case with antenna built into lid
13:1	PRO13N8L4WG	8 LTE, 4 WiFi, GPS, black case with antenna built into lid
13:1	PRO13N8L4WG-L	8 LTE, 4 WiFi, GPS, black case with antenna built into lid with AC and DC Power option (see Antenna Options for description).

## Part Number Key

Part number example of a 13:1 Newfoundland antenna, black: PRO13N8L4WG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	13:1	PRO13
Antenna abbreviation for Newfoundland	N	PRO13N
Number of LTE Elements	L	PRO13N8L
Number of WiFi Elements	W	PRO13N8L4W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO13N8L4WG
Optional "Loaded" - includes the below options	-L	PRO13N8L4WG-L
Router Mount plate and Top Cover with mounting hardware		PTA0390

\*\*Custom case colors and connectors are available. Please contact Parsec for more information.

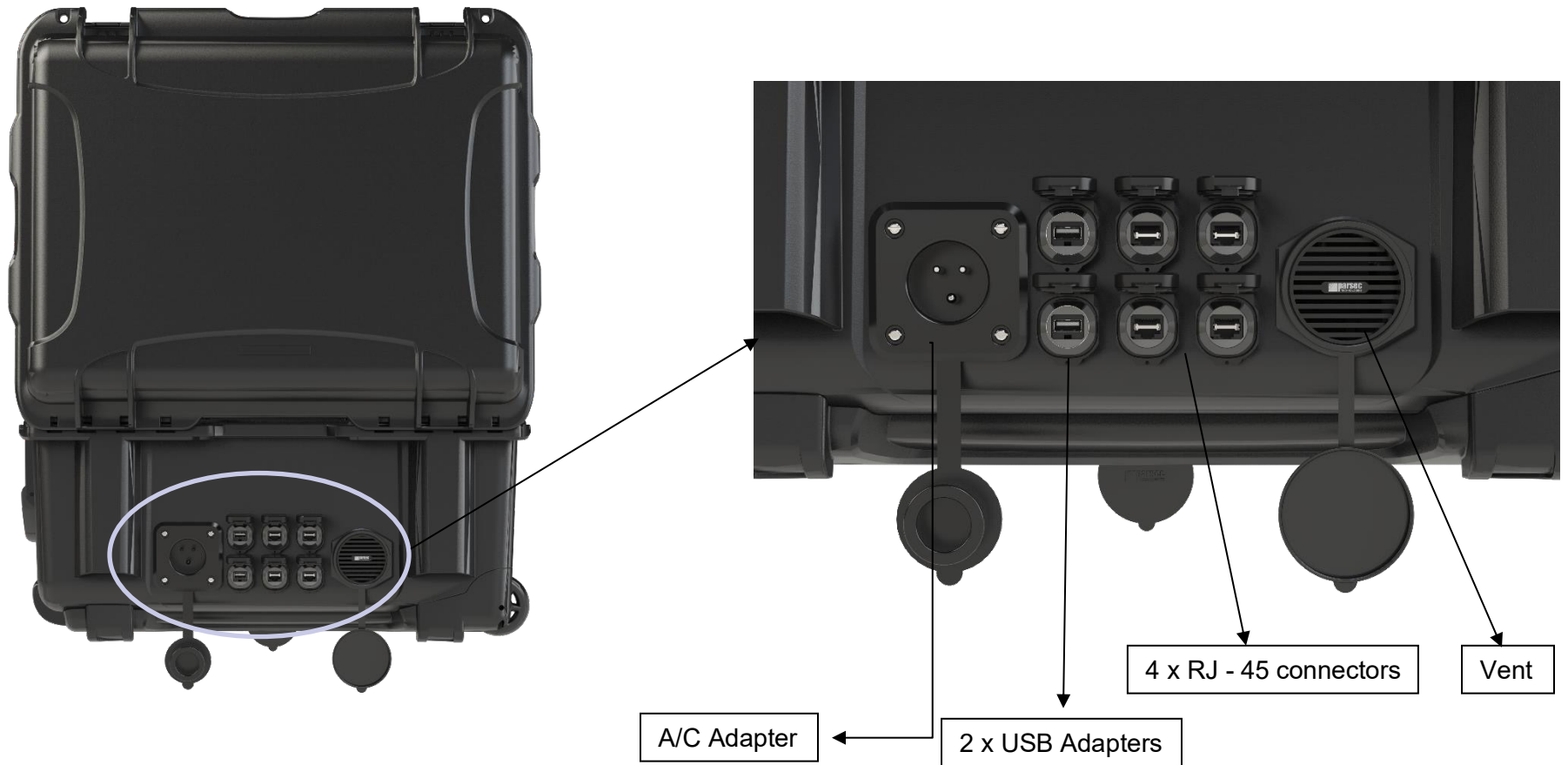
## Antenna Options

Description	Antenna Options	
	PRO13N8L4WG	PRO13N8L4WG-L
PRO13N8L4WG	YES	YES
Fan and Vent	NO	YES
A/C Adapter	NO	YES
2 X USB Adapter	NO	YES
4 X RJ-45 Connectors	NO	YES
Router Mount Plate	NO	YES
Top Cover	NO	YES

\*\*\*PRO13N8L4WG-L has battery mounting capability. chargetech 54K Dual AC Battery Pack can be used.  
(BATTERY NOT INCLUDED)

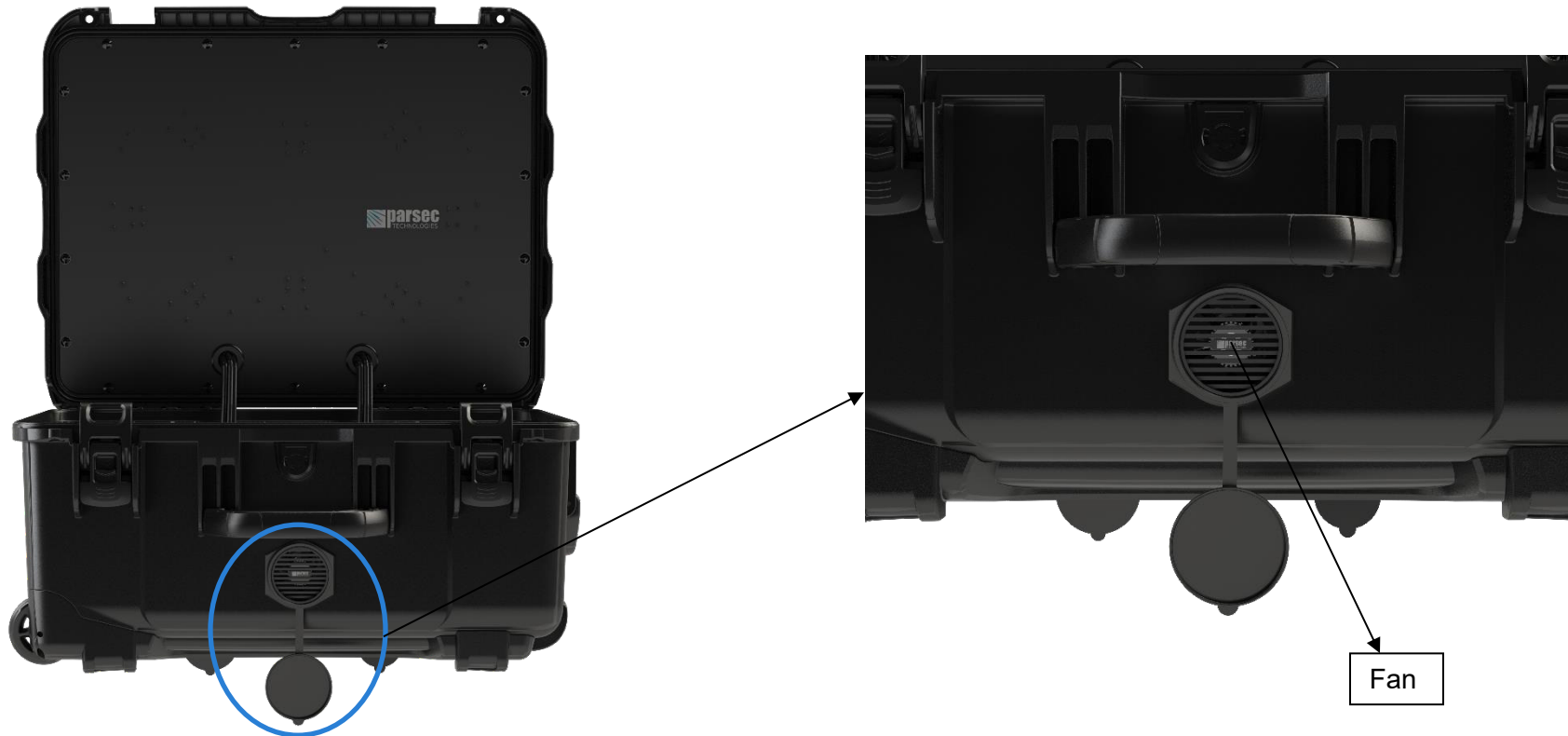


## Rear View - "PRO13N8L4WG-L"



\*\*\*Always open the fan cap and vent cap during operation

## Front View - "PRO13N8L4WG-L"



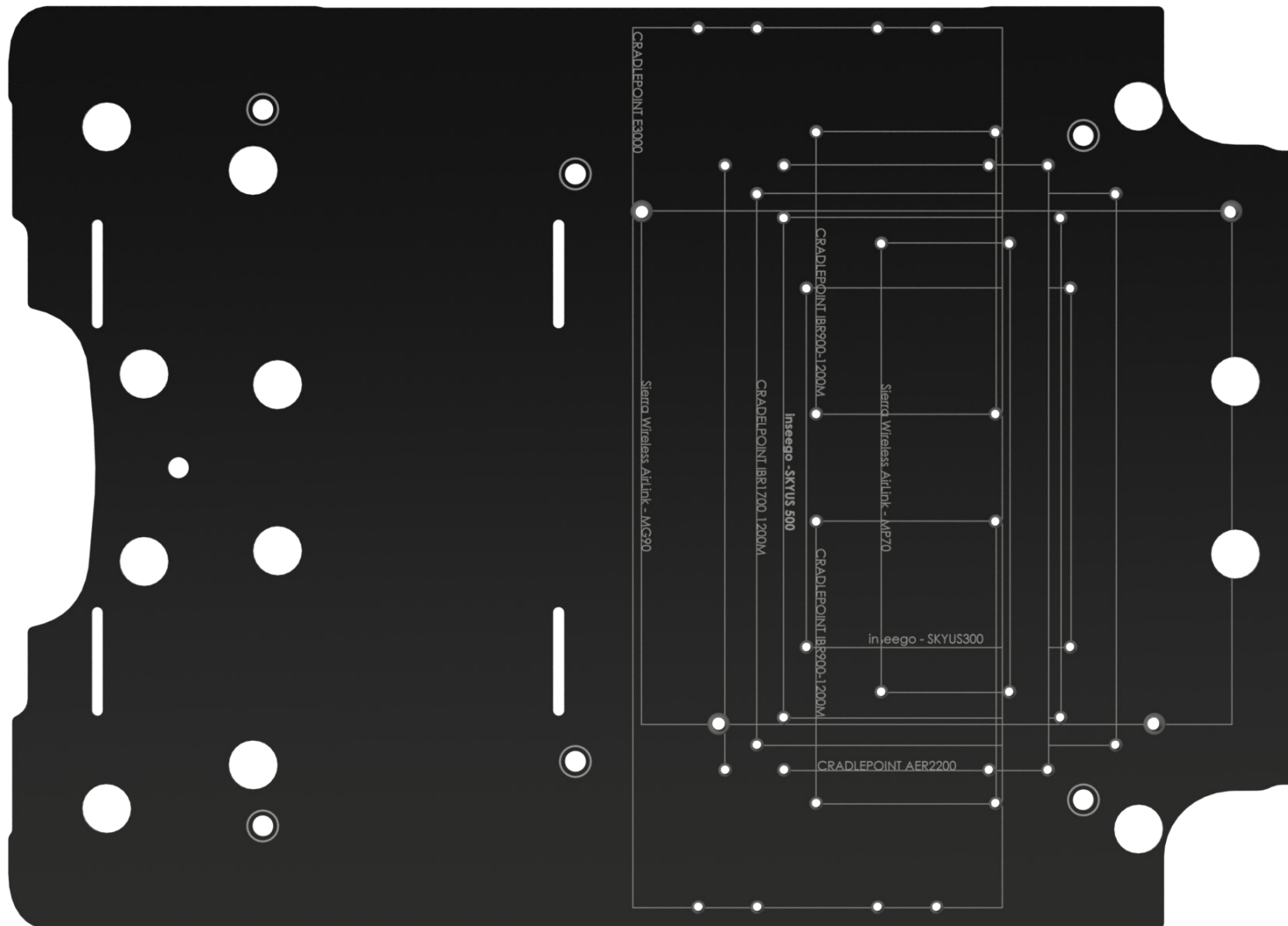
\*\*\*Always open the fan cap and vent cap during operation

### Brackets for mounting AER2200 Router



## Router Mount Plate – for PRO13N8L4WG-L

PTA0390 – Includes Router Mount Plate and Top Cover



## Accessories

PRO13N8L4WG-L	
<b>Provided by Parsec</b>	Ethernet Cord (4).USB Cord (2), Surge Protector (1)
<b>To Be Purchased By The Customer</b>	<p>Ethernet Cord (4) - <a href="https://www.mcmaster.com/ethernet-cords/ethernet-cords-7/">https://www.mcmaster.com/ethernet-cords/ethernet-cords-7/</a></p> <p>USB Cord (2) - <a href="https://www.mcmaster.com/usb-cords/usb-cords-6/">https://www.mcmaster.com/usb-cords/usb-cords-6/</a></p> <p>Power Supply (1) - <a href="https://cradlepoint.com/product/accessories/power-supply-12-vdc-3a-2x2-int-2m/">https://cradlepoint.com/product/accessories/power-supply-12-vdc-3a-2x2-int-2m/</a></p> <p>Chargetech 54K AC Battery Pack - <a href="https://chargetech.com/product/plug-portable-power-supply/">https://chargetech.com/product/plug-portable-power-supply/</a> ( if required *)</p> <p>Battery Straps - <a href="https://www.amzn.com/dp/B08BCN3X25/">https://www.amzn.com/dp/B08BCN3X25/</a></p> <p>Power Cord - <a href="https://www.mcmaster.com/power-cords/extension-cords/extension-cords-7/">https://www.mcmaster.com/power-cords/extension-cords/extension-cords-7/</a></p>



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