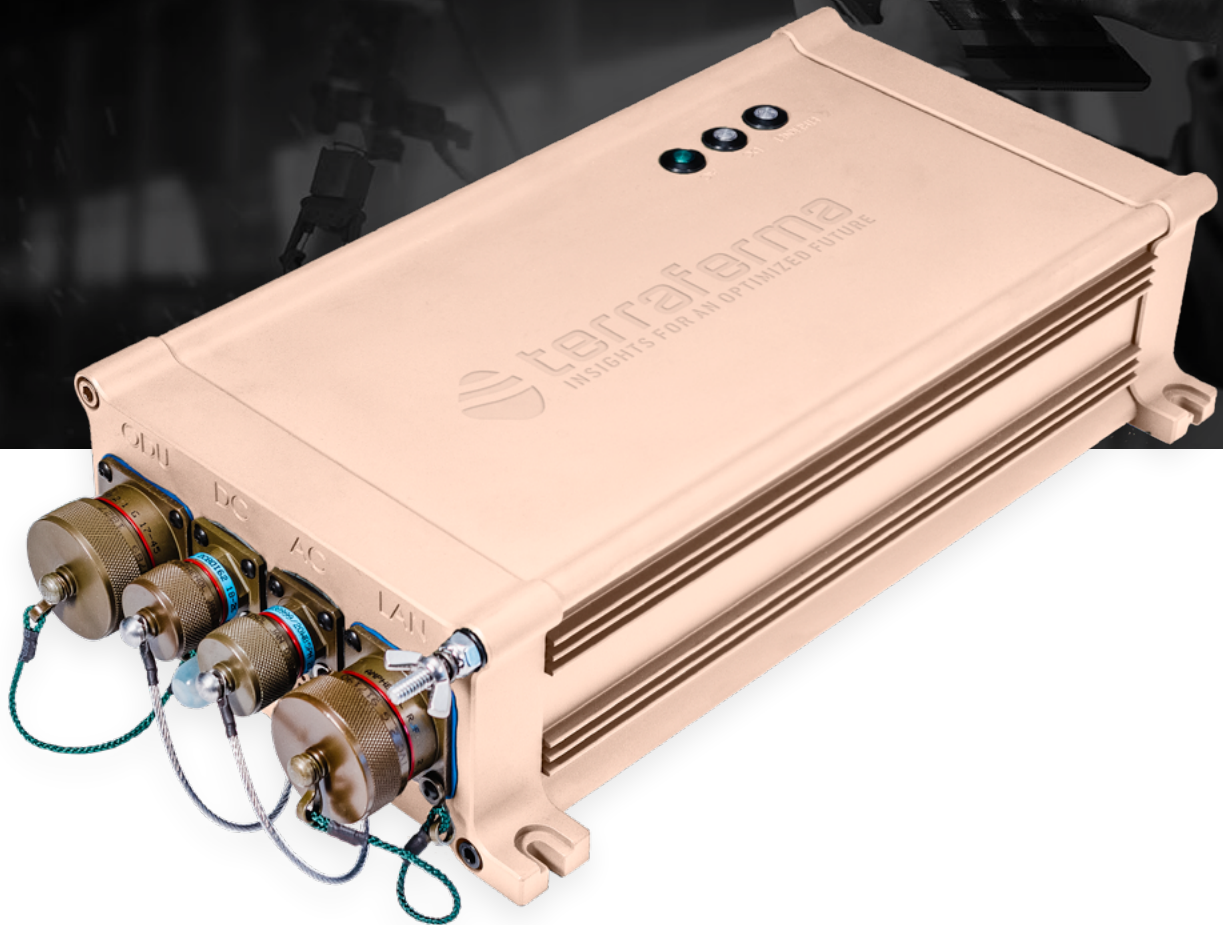# RPI RUGGED!+™ PoE POWER SUPPLY

RPI RUGGED!+™ PoE POWER SUPPLY– UNIVERSAL MOUNT

PRODUCT OVERVIEW

RPI Rugged!+ PoE Power Supply is designed and built to handle harsh mission critical environments in noisy electrical conditions. We take power from any global source and deliver it filtered via ethernet to any communications, surveillance, sensor, or LED light scenario you have. The Terra Ferma RPI Rugged!+ PoE power supply is designed, tested,& certified to MIL-STD 810-H, MIL-STD 461.G, UL, CE Mark and IP67 rated. No FIPS certification is required to operate.

KEY DEPLOYMENT ADVANTAGES

01 RUGGED!+™ IP66/67 RUGGEDIZATION

02 AVAILABLE IN MILITARY OR COMMERCIAL GRADE

03 DESIGNED FOR WIRELESS COMMUNICATIONS, CAMERAS AND SENSORS IN REMOTE AREAS

04 POWER OVER ETHERNET (PoE) UP TO 90 WATTS

05 LIGHTWEIGHT ALUMINUM PACKAGING: 7LBS

06 REGULATED 56VDC OUTPUT WITH AUTOMATIC VOLTAGE AND CURRENT CLAMPING

PROTECTION YOU CAN TRUST

Terra Ferma has deployed tactical & telecommunications radios and hardware around the world. We've achieved unparalleled degrees of scalability for both commercial and Government markets. Based on this experience, we developed the RPI RUGGED!+™ PoE POWER SUPPLY. This platform enables customers to offer wireless communications, cameras, and sensors in remote areas. Each (PoE) power supply is equipped to provide clean power with the option of Battery Backup for power without interruption.
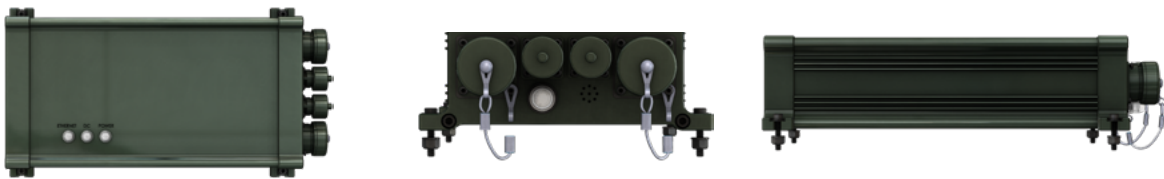
THE HIGHLY RELIABLE, LIGHT WEIGHT, SMALL FORM FACTOR IS DESIGNED TO TAKE SHOCK, VIBE, HIGH TEMPS, HIGH HUMIDITY AND IS PASSIVELY COOLED. THE TERRA FERMA RPI RUGGED!+ POE POWER SUPPLY IS DESIGNED AND TESTED TO MIL-STD 810-H, MIL-STD 461.G, UL, CE MARK AND IP67 RATED. NO FIPS CERTIFICATION IS REQUIRED TO OPERATE.

FULLY MIL QUALIFIED, TESTED, & CERTIFIED
The Terra Ferma RPI Rugged!+ PoE Power Supply is designed and tested to MIL-STD 810-H, MIL-STD 461.G, UL, CE Mark and IP67 rated. No FIPS certification is required to operate. The highly reliable, light weight, small form factor is designed to take shock, vibe, high temps, high humidity and is passively cooled.

QUIET, UNIVERSAL CONSTRUCTION
A fanless, rugged, all aluminum construction allows for a quiet operation while keeping the elements out. Universal mounting positions allow tower, pole, vehicle or no mounting at all to keep all your devices powered securely with an optional Modular Battery Back up with 30 minutes to 3-day capacity.

RUGGED!+ TECHNOLOGY

TerraFerma's trademarked RUGGED!+™ construction and finishing maintain product integrity in extremely harsh environments. We expect optimal performance to be achieved in the toughest manufacturing and tactical climates in the world.

TACTICAL ADVANTAGE
We created the RUGGED!+™ technology to prevent outages in tactical hot zones across the globe. Whether in the high desert or intense manufacturing facilities, we've already thrived there.

terra ferma
RUGGED!+ POWER OVER ETHERNET

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RPI RUGGED!+™ PoE POWER SUPPLY

TECHNICAL SPECIFICATIONS

Product Options	Power any PoE device or multiple devices from one injector
	Optional Modular Battery Back up with 24 hour to 3-day capacity
	Power over Ethernet (PoE) 60 & 100 watt versions. IEEE 802.3 AF/AT/BT
Color Options	Military: Olive Drab Green or Desert Tan
Communications	10/100/1000 Ethernet
Material Finish	Stainless steel hardware / WD-CARC over chemical conversion coating
Power	Global AC Input: Input 90 - 264 VAC, 47 - 63Hz
	Military Grade DC: 10 to 60VDC @ 10A
	Optional Battery Backup: 48VDC @ 25amp-Hour
	Optional Solar Power Input: 12 to 24VDC Solar Panel (Requires Battery Backup)
Power Control	Automatically adjustable voltage to a regulated 56VDC output
	Automatically adjustable load current 0.25A - 2A
	Automatic input and/or output power reset
Connectivity	Military Grade: Amphenol RJFTV & D38999 Receptacles
Indicators	Power: Green LED, DC Power: Green LED, Ethernet Activity: Green LED,
	PoE: Green – 15 Watts, Red – 100 Watts
Mounting	Universal mounting positions allow tower, pole, vehicle or no mounting at all
Physical Dimensions	13-1/2” x 7-1/16” x 3-1/6”	Optional Battery Backup: 19” x 7-1/16” x 3-1/6”
Weight	Aluminum packaging – 7 lbs
Temperature	Operational -40C to 60C (-40F to 140F)	Storage -40C to 75C (-40F to 167F)

TERRA FERMA, ODM & OEM PoE SOLUTIONS

Terra Ferma is an industry leading Original Design Manufacturer (ODM) that provides Original Equipment Manufacturer (OEM) of Power over Ethernet products for Military, Government, and Industrial applications. We specialize in rapidly prototyping ODM & OEM solutions advanced engineering and manufacturing solutions for rapid new product development.

CONTACT US

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