

# VOLT SERVER

DIGITAL ELECTRICITY™

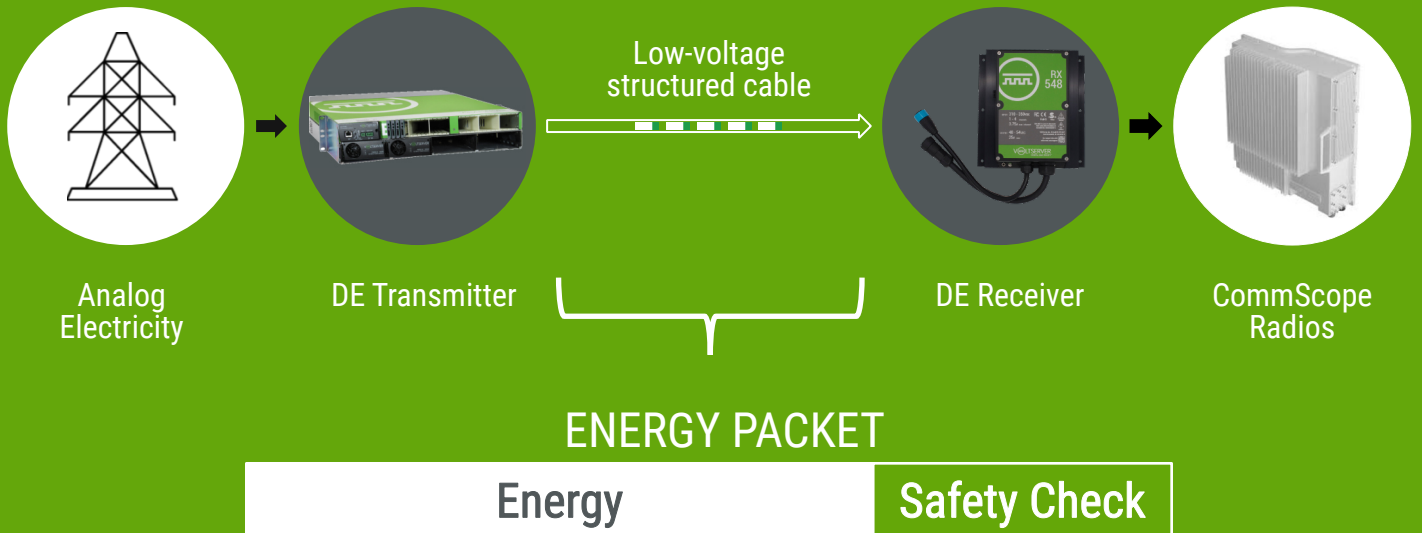


POWERING COMMSCOPE ERA® DAS  
WITH DIGITAL ELECTRICITY

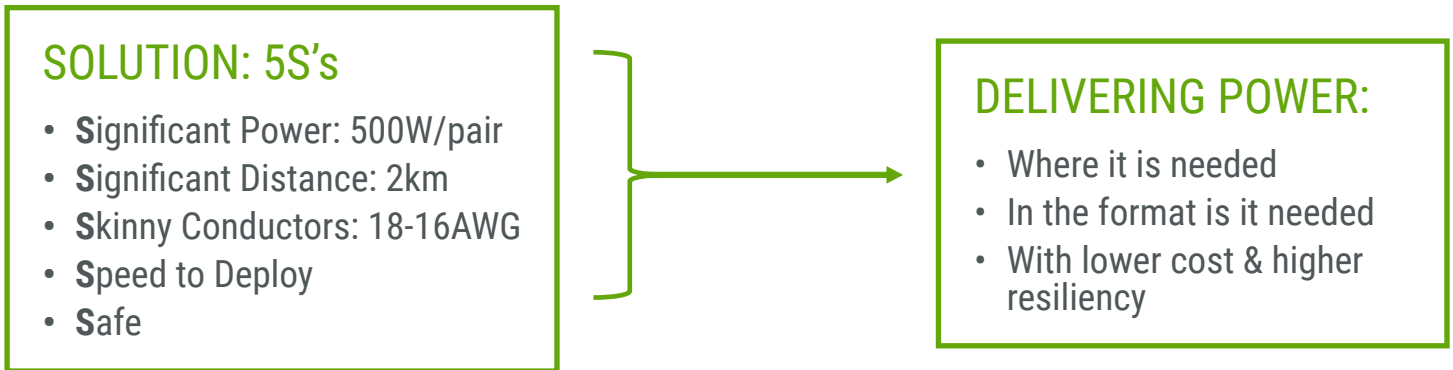
April 2021

WHAT IS

# DIGITAL ELECTRICITY™?



Discrete “packets” of electricity.  
Each checked for safe transfer from transmitter to receiver.



VoltServer is the leading provider of intelligent, premise-based power distribution solutions leveraging Digital Electricity™ from centralized source to distributed endpoint loads to improve the customer’s essential business applications.

Patented and proven **Digital Electricity™** (DE) solutions deliver cost-effective, high-reliability power where and when you need.

Digital Electricity™ is patent protected by VoltServer, the inventors of DE

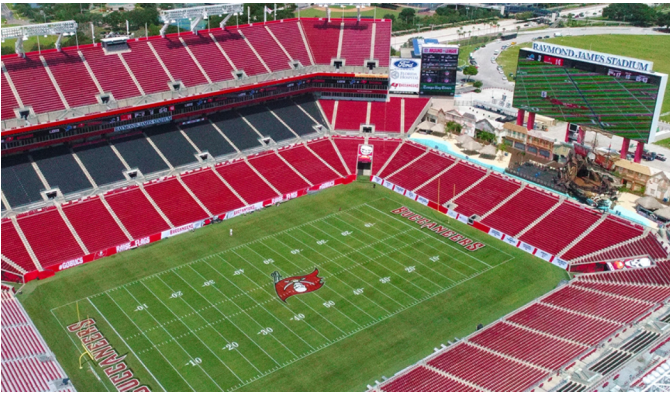


# WHY VOLTSERVER?

## COST, TIME, and LOGISTICS SAVINGS

- **Low Voltage Technician Labor Rates** - Use the same contractor for fiber and power
- **Eliminate Cost of Conduit Runs for Power** - Fiber and power in the same pathway
- **Centralized Power and Distribution Architecture** - Eliminate the cost of many IDF's
- **Future Growth from Day 1** - Implement "Dark Copper" for future expansion
- **Remote Monitoring and Policy Control** - Full insight and administration

## DEPLOYED IN HUNDREDS OF MARQUEE VENUES



### RAYMOND JAMES STADIUM

- Tampa, FL
- 2021 NFL Super Bowl
- Powering CommScope ERA 5G DAS
- Powering 5G mmWave overlay



### NASHVILLE YARDS

- Nashville, TN
- The next generation of urban development
- Powering the CommScope ERA 5G DAS



### CLIMATE PLEDGE ARENA

- Seattle, WA
- Powering CommScope ERA 5G DAS
- Powering 5G mmWave overlay



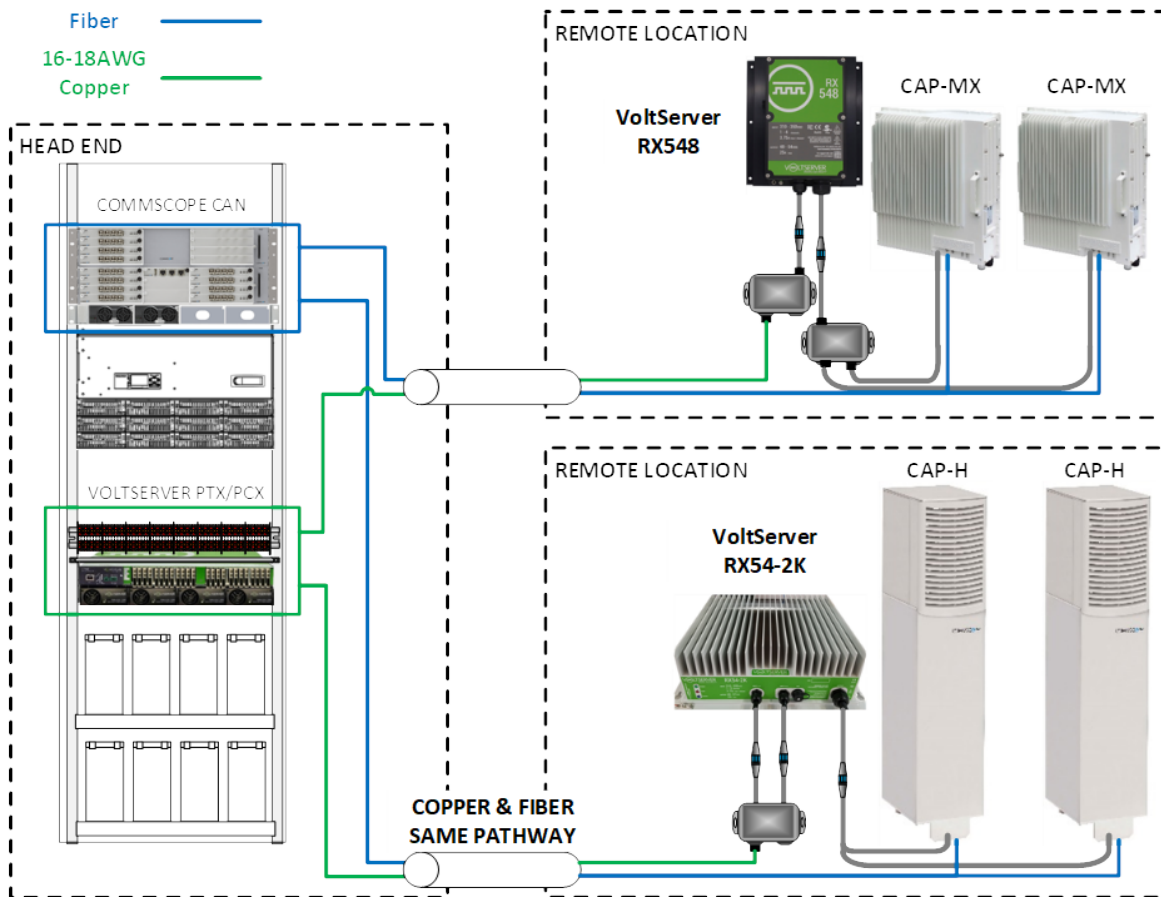
### HARD ROCK STADIUM

- Miami, FL
- 2020 Super Bowl
- Powering CommScope ERA 5G DAS
- Powering 5G mmWave overlay
- Powering Wi-Fi Access Points



# COMPLETE POWER PROVISIONING DESIGN SERVICES

VoltServer provides value added design services at no additional cost



## Power Provisioning Design

- iBwave Review
- DE Solution Design
- Cable Length Calculations
- Power One-Line Drawings

## Commissioning

- Pre-construction training
- Cable mapping
- On-site support if needed

## Optimization and Growth

- Adding 5G Overlay
- Adding 4G Capacity/Carriers
- Wi-Fi Layer

## 24/7 Technical Support

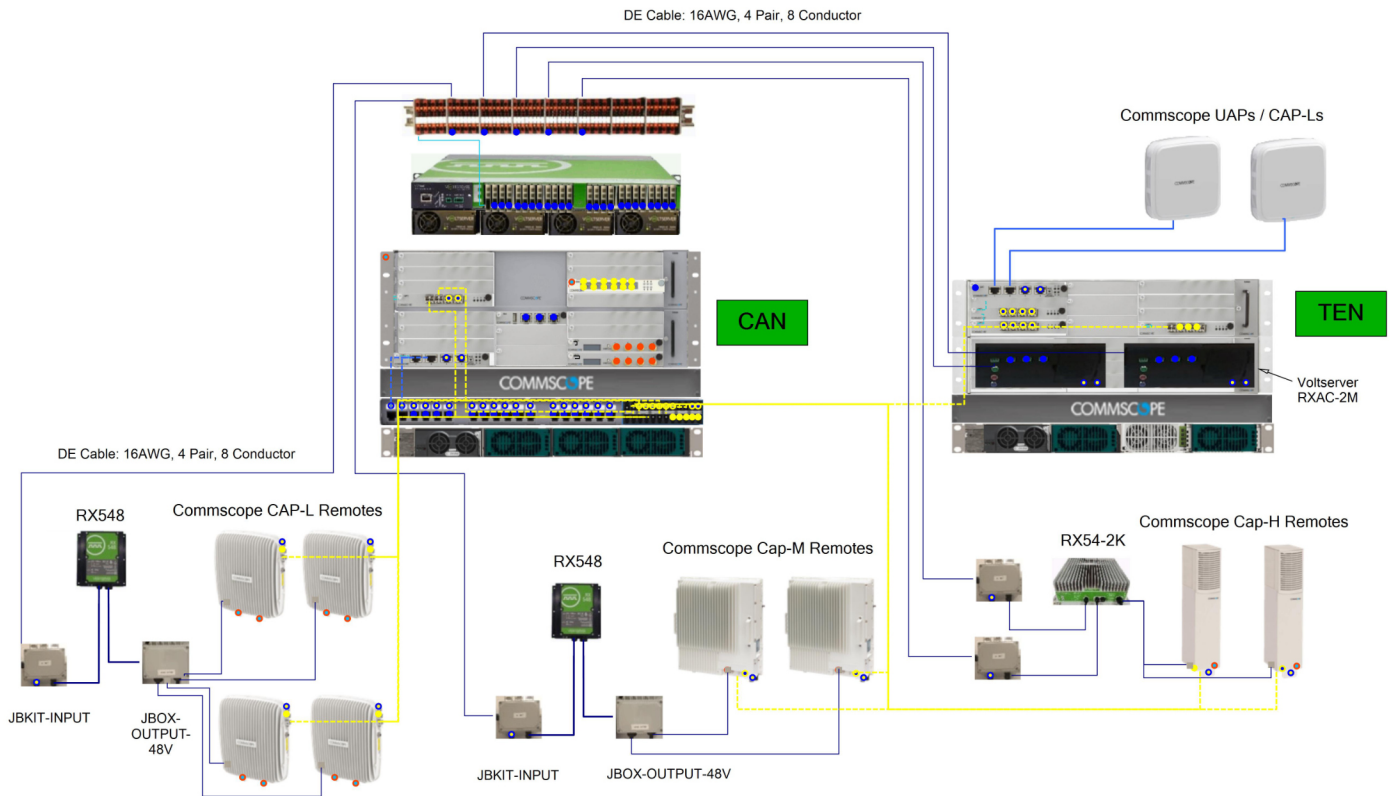
- 1 (888) 622-8658, opt 1
- support@voltserver.com

# IMPLEMENTATION GUIDE

## MAXIMUM DE CABLE DISTANCE (ft)

CONFIGURATION	Wire Gauge	18AWG			16AWG			
		POWER	4 Conductors	8 Conductors	16 Conductors	4 Conductors	8 Conductors	16 Conductors
CAP-L	100W		6,500	6,500	6,500	6,500	6,500	6,500
CAP-L (2)	200W		3,450	6,500	6,500	5,480	6,500	6,500
CAP-L (4)	400W		1,710	3,450	6,500	2,730	5,460	6,500
CAP-L2	150W		4,600	6,500	6,500	6,500	6,500	6,500
CAP-L2 (2)	300W		2,290	4,600	6,500	3,640	6,500	6,500
CAP-M	170W		4,050	6,090	6,500	6,450	6,500	6,500
CAP-M (2)	340W		2,020	3,040	4,060	3,210	4,830	6,450
CAP-MX	330W		1,960	3,940	6,500	3,120	6,270	6,500
CAP-MX (2)	660W		980	1,960	4,150	1,550	3,120	6,200
CAP-H	990W		620	1,380	2,760	770	2,200	4,400
CAP-H (2)	1980W		-	600	1,200	-	760	1,520

## IBWAVE INTEGRATION



# DIGITAL ELECTRICITY™ TRANSMITTERS

## PCX500E-AC-01

- 100-277VAC Input
- 12,000W Output
- Saf-D-Grid® Plug Inputs
- 24 Output Channels



## PTX500-DC

- 42-75VDC Input
- 5,400W Output
- 24 Output Channels



## PCX500E-AC-02

- 100-277VAC Input
- 12,000W Output
- Conduit connections
- 24 Output Channels



## PTX500E-DC-3U

- 42-75VDC Input
- 10,800W Output
- 24 Output Channels



## ACCESSORIES - SPECIFIED BY VOLTSERVER

### TX550-01

Transmitter Line Power Card  
500W



### PM500-DC48

DC Power Module  
1,350W



### PM500-AC

AC Power Module  
3,000W



# DIGITAL ELECTRICITY™ RECEIVERS

## RX548

- 1.2kW, 48VDC Output
- Up to 4 DE Input Pairs



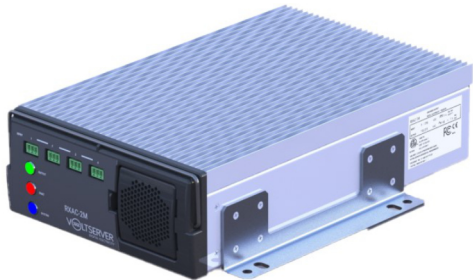
## RX554

- 2kW, 336VDC Output
- Up to 4 DE Input Pairs



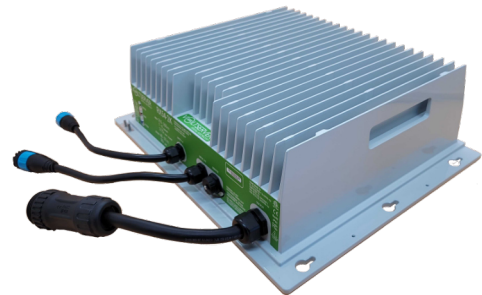
## RXAC-2M

- 1.4kW, 200VAC Output
- Up to 4 DE Input Pairs



## RX54-2K

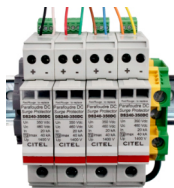
- 2kW, 54VDC Output
- Up to 8 DE Input Pairs



All VoltServer receiver models are compatible with all transmitter models

## ACCESSORIES - SPECIFIED BY VOLTSERVER

### Over Voltage Protection



### Cable Kits



### Terminal Blocks



### Junction Boxes



# VOLTSERVER

DIGITAL ELECTRICITY™

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VoltServer Inc



Designed in East Greenwich, RI  
Assembled in the USA