



# ViLink

Crafting the Future of Data Power

## Rack Power Distribution Unit

ViLink Series

Metered/Switched Type

# Connect to the Future with ViLink

## Your Vital Power Link

Transform your network with Delta's state-of-the-art ViLink rPDU solutions, crafted for unparalleled performance and reliability. Our journey begins with the essential rPDU, laying the foundation for efficient power distribution and control. With the launch of Delta ViLink, we transcend basic functionality to offer advanced metered and switched rPDUs, revolutionizing energy management and optimization.

Experience how ViLink optimizes datacenter availability, reliability, and management. Join us in exploring the compelling features of the ViLink rPDU!

### Unparalleled Reliability

- Industrial grade mechanical design
- Cybersecurity and authentication
- Fault detection
- Outlet cable retention
- Up to 60°C ambient with full capacity
- UL certified branch circuit protection

### Unbound Integration

- Auto flip local display
- Low profile design, 0U
- Support side and rear mounting
- Network protocols versatility

### Ultimate Management

- Power quality monitoring
- Power monitoring with 1% accuracy
- All-in-one web monitoring
- Daisy chain up to 40 rPDU in 1 IP
- Customizing for unique datacenter needs

## Applications



Datacenter



Telecom



Manufacturing Facility



Commercial Building



Healthcare



Transportation

Embark on a journey of power management with ViLink rPDU solutions. Unveiling an array of features tailored to meet your every need, our metered type and switched type rPDUs are designed to revolutionize your power management experience! Stay tuned as we reveal a comprehensive comparison chart showcasing the unique benefits of each rPDU, empowering you to make informed decisions for optimized performance and streamlined operations.

## Metered vs. Switched rPDU: Feature Breakdown

Type	Metered rPDU	Switched rPDU
<b>Design Features</b>		
0U Ultra-low profile	●	●
Support side/ back installation	●	●
Up to 60°C ambient with full capacity	●	●
Toolless replacement	●	●
<b>Reliability</b>		
UL489 certified hydraulic-magnetic circuit breakers	●	●
Hot-swappable RMC	●	●
RMC robustness for phase-loss <sup>(1)</sup>	●	●
Cable retention	●	●
Outlet fault detection		●
<b>Power Management</b>		
Input & branch metering	●	●
1% billing grade accuracy	●	●
<b>Outlet Control</b>		
Individual outlet remote on/ off/ reboot/ delay control		●
Outlet grouping (one or across multiple units with a single command)		●
User-definable on/ off sequence		●
<b>Display and Network Management</b>		
Auto-flip local display supports top/ bottom cable entry	●	●
Ethernet connectivity	●	●
Multiple protocols w/ 1Gbps Ethernet	●	●
40 rPDUs daisy chained in 1 IP	●	●
All-in-one web UI	●	●
Cybersecurity utilizing user-defined certificates with HTTPS	●	●
Authentication: user access control	●	●
Console port for local FW upgrade	●	●

(1) Applicable for 3-phase models.

## Unparalleled Reliability & Integration

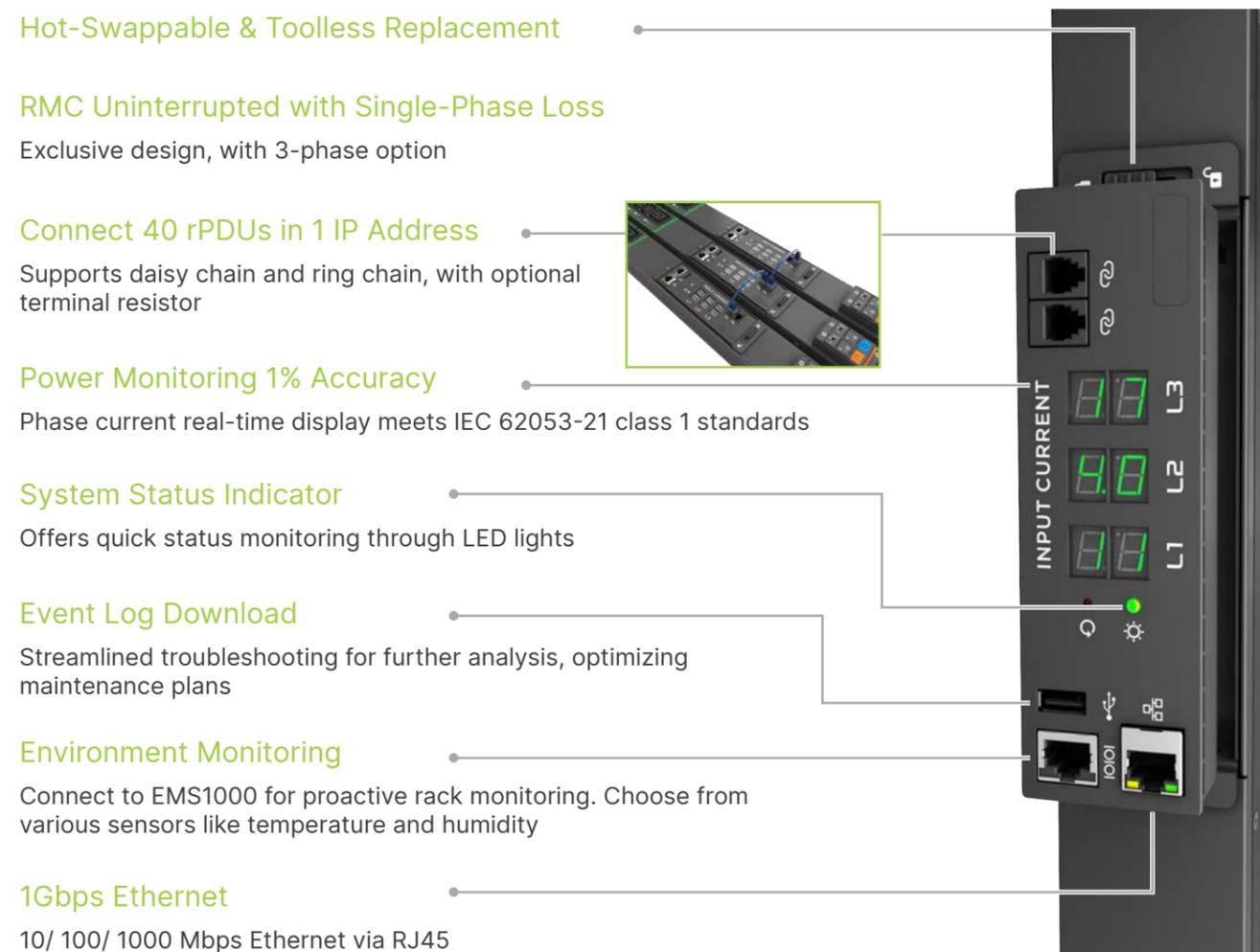
### Visual Overview of Functions & Features



- 0U Ultra Low Profile**  
Perfect fit for EIA racks, supports both side/ back installation
- Industrial Grade Mechanical Design**  
Up to 60°C: high-temp resilient, ensures consistent operation without downgrade
- Outlet Control**
  - Individual outlet remote control
  - User-definable sequential startup/ shutdown outlets
  - Single-command output grouping for multiple units
- Outlet Fault Detection**  
Detects relay faults or input power failures, reducing downtime and CAPEX
- Protocol Versatility**  
HTTP, HTTPS, DNS, NTP, SMTP, SMTPS, SNMP (V1/ V2c/ V3), Telnet, UDP, TCP/ IP, IPv4, IPv6, ICMP, ICMPv6, ARP, MAC, Modbus TCP/ IP
- Cybersecurity and Authentication**  
Supports state-of-the-art authentication (ex. LDAP(s), RADIUS, MD5, SHA) to secure rPDU access
- Auto Flip Design Display**  
Supports top/ bottom entry installation
- UL Certified Branch Circuit Protection**  
UL489 magnetic-hydraulic circuit breaker: ensures reliable overcurrent protection with added safety
- Cable Retention**  
Standard cable ties, extend with optional sleeves, P-Locks, IEC-Locks
- Color Options**  
Offers color choices for easy socket and breaker identification

## Ultimate Management Features

### Remote Monitoring Controller (RMC) Highlights



- Hot-Swappable & Toolless Replacement**
- RMC Uninterrupted with Single-Phase Loss**  
Exclusive design, with 3-phase option
- Connect 40 rPDUs in 1 IP Address**  
Supports daisy chain and ring chain, with optional terminal resistor
- Power Monitoring 1% Accuracy**  
Phase current real-time display meets IEC 62053-21 class 1 standards
- System Status Indicator**  
Offers quick status monitoring through LED lights
- Event Log Download**  
Streamlined troubleshooting for further analysis, optimizing maintenance plans
- Environment Monitoring**  
Connect to EMS1000 for proactive rack monitoring. Choose from various sensors like temperature and humidity
- 1Gbps Ethernet**  
10/ 100/ 1000 Mbps Ethernet via RJ45

## Simplified Power Oversight

### All-in-One rPDU Web UI

Web UI facilitates easy online monitoring and control via ethernet port connectivity.

1. Control menu
2. System status
3. Date & time
4. Language selection
5. Power information
6. AC input information
7. Environment information



## ViLink rPDU Metered Type



### Elevate with Metered rPDU

Experience real-time remote monitoring of connected loads with ViLink Metered rPDU, offering immediate insights for power optimization.

#### Metered rPDU benefits:

- Input Power Monitoring: Track input current, power (W/ Wh/ VA), THDv, THDi, and power factor
- Phase Monitoring: Monitor current, power, and voltage to ensure balanced loads
- Internal Circuit Breaker: Safeguard against overloads with current monitoring
- Outlet Monitoring: Provide branch level current, power, and energy usage insight

#### Why choose a Metered rPDU?

- Efficient Planning: Track rack-level capacity changes
- Phase Balance: Prevent circuit breaker tripping by balancing loads
- Detailed Insights: Gain detailed capacity and usage trends

Choose a Metered rPDU for comprehensive and proactive power management.

#### Model List

Mounting U-Space	Phase & Voltage	Input Current	Input Plug Type	Output Receptacles	Cord Length	Safety	Model
Vertical, 0U	1P, L-N, 200-240 Vac	32A(CE)/ 24A(UL)	IEC 309 (2P+PE), 6H	C13(36), C19(6)	3m	CE, UKCA, UL	PDUA117BSA23500
Vertical, 0U	1P, L-N, 200-240 Vac	32A(CE)/ 24A(UL)	IEC 309 (2P+PE), 6H	C13(42)	3m	CE, UKCA, UL	PDUA117BSA23501
Vertical, 0U	1P, L-L, 208 Vac	24A	NEMA L6-30P	C13(36), C19(6)	3m	UL	PDUA214KEA2B800
Vertical, 0U	1P, L-L, 208 Vac	24A	NEMA L6-30P	C13(42)	3m	UL	PDUA214KEA2B801
Vertical, 0U	1P, L-L, 208 Vac	30A	NEMA L6-30P	C13(36), C19(6)	3m	PSE	PDUA216KEA2B500
Vertical, 0U	1P, L-L, 208 Vac	30A	NEMA L6-30P	C13(42)	3m	PSE	PDUA216KEA2B501
Vertical, 0U	3P, Delta, 208 Vac	16A	NEMA L21-20P	C13(36), C19(6)	3m	UL	PDUA412PDA2B800
Vertical, 0U	3P, Delta, 208 Vac	16A	NEMA L21-20P	C13 (42)	3m	UL	PDUA412PDA2B801
Vertical, 0U	3P, Delta, 208 Vac	24A	NEMA L21-30P	C13(36), C19(6)	3m	UL	PDUA414PEA2B800
Vertical, 0U	3P, Delta, 208 Vac	24A	NEMA L21-30P	C13(42)	3m	UL	PDUA414PEA2B801
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(36), C19(6)	3m	CE, UKCA	PDUA312DPA23500
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(42)	3m	CE, UKCA	PDUA312DPA23501
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(36), C19(6)	3m	CE, UKCA, UL	PDUA312DPA23502
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(42)	3m	CE, UKCA, UL	PDUA312DPA23503
Vertical, 0U	3P, WYE, 346-415 Vac	32A	IEC 309 (3P+N+PE), 6H	C13(36), C19(6)	3m	CE, UKCA	PDUA317DSA23500
Vertical, 0U	3P, WYE, 346-415 Vac	32A	IEC 309 (3P+N+PE), 6H	C13(42)	3m	CE, UKCA	PDUA317DSA23501
Vertical, 0U	3P, WYE, 346-415 Vac	30A(PSE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(36), C19(6)	2m	UL, PSE	PDUA314DRA2B8J0
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(36), C19(6)	3m	CE, UKCA, UL	PDUA317DSA23502
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(42)	3m	CE, UKCA, UL	PDUA317DSA23503
Vertical, 0U	3P, WYE, 346-415 Vac	48A	IEC 309 (3P+N+PE), 6H	C13(36), C19(18)	2m	CE, UKCA	PDUA31ADUA2B801
Vertical, 0U	3P, WYE, 346-415 Vac	48A	IEC 309 (3P+N+PE), 6H	C13(36), C19(18)	2m	UL	PDUA31ADUA2B800
Vertical, 0U	3P, WYE, 346-415 Vac	48A	IEC 309 (3P+N+PE), 6H	C13(36), C19(18)	2m	PSE	PDUA31ADUA2B500

All specifications are subject to change without prior notice.

## ViLink rPDU Switched Type



### Command with Switched rPDU

Take command of your power distribution with advance load monitoring and outlet sequence control, optimizing every aspect of your operations.

#### Switched rPDU benefits:

- Device Control: Manage power to individual devices remotely
- Load Balancing: Distribute power to balance loads effectively
- Sequenced Power: Control on/ off sequences for connected equipment
- Fault Detection: Detect relay faults or input power failures for easy follow-up and reduced downtime and OPEX

#### Why choose a Switched rPDU?

- Remote Management: Control power to devices from all-in-one web UI
- Flexibility: Customize power settings and schedules for optimal operation
- Prevent Downtime: Ensure equipment availability with sequenced power control
- Streamlined Operations: Simplify power management tasks for improved efficiency

Choose a Switched rPDU for flexible and efficient power control in your network.

#### Model List

Mounting U-Space	Phase & Voltage	Input Current	Input Plug Type	Output Receptacles	Cord Length	Safety	Model
Vertical, 0U	1P, L-N, 200-240 Vac	32A(CE)/ 24A(UL)	IEC 309 (2P+PE), 6H	C13(36), C19(6)	3m	CE, UKCA, UL	PDUA127BSA23500
Vertical, 0U	1P, L-N, 200-240 Vac	32A(CE)/ 24A(UL)	IEC 309 (2P+PE), 6H	C13(42)	3m	CE, UKCA, UL	PDUA127BSA23501
Vertical, 0U	3P, Delta, 208 Vac	16A	NEMA L21-20P	C13(24), C19(6)	3m	UL	PDUA422PDA2B800
Vertical, 0U	3P, Delta, 208 Vac	16A	NEMA L21-20P	C13(30)	3m	UL	PDUA422PDA2B801
Vertical, 0U	3P, Delta, 208 Vac	24A	NEMA L21-30P	C13(24), C19(6)	3m	UL	PDUA424PEA2B800
Vertical, 0U	3P, Delta, 208 Vac	24A	NEMA L21-30P	C13(30)	3m	UL	PDUA424PEA2B801
Vertical, 0U	3P, Delta, 208 Vac	24A	NEMA L15-30P	C13(24), C19(6)	3m	UL	PDUA424NEA2B800
Vertical, 0U	3P, Delta, 208 Vac	24A	NEMA L15-30P	C13(30)	3m	UL	PDUA424NEA2B801
Vertical, 0U	3P, Delta, 208 Vac	28A	NEMA L15-30P	C13(24), C19(6)	3m	PSE	PDUA425NEA2B500
Vertical, 0U	3P, Delta, 208 Vac	28A	NEMA L15-30P	C13(30)	3m	PSE	PDUA425NEA2B501
Vertical, 0U	3P, Delta, 208 Vac	28A	CS8365	C13(24), C19(6)	3m	UL	PDUA425SGA2B800
Vertical, 0U	3P, Delta, 208 Vac	28A	CS8365	C13(30)	3m	UL	PDUA425SGA2B801
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(24), C19(6)	3m	CE, UKCA	PDUA322DPA23500
Vertical, 0U	3P, WYE, 346-415 Vac	16 A	IEC 309 (3P+N+PE), 6H	C13(30)	3m	CE, UKCA	PDUA322DPA23501
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(24), C19(6)	3m	CE, UKCA, UL	PDUA322DPA23502
Vertical, 0U	3P, WYE, 346-415 Vac	16A	IEC 309 (3P+N+PE), 6H	C13(30)	3m	CE, UKCA, UL	PDUA322DPA23503
Vertical, 0U	3P, WYE, 346-415 Vac	32A	IEC 309 (3P+N+PE), 6H	C13(24), C19(6)	3m	CE, UKCA	PDUA327DSA23500
Vertical, 0U	3P, WYE, 346-415 Vac	32A	IEC 309 (3P+N+PE), 6H	C13(30)	3m	CE, UKCA	PDUA327DSA23501
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(24), C19(6)	3m	CE, UKCA, UL	PDUA327DSA23502
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(30)	3m	CE, UKCA, UL	PDUA327DSA23503
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(36), C19(6)	3m	CE, UKCA, UL	PDUA327DSA23504
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(42)	3m	CE, UKCA, UL	PDUA327DSA23505
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13(24), C19(12)	3m	CE, UKCA, UL	PDUA327DSA23506
Vertical, 0U	3P, WYE, 346-415 Vac	32A(CE)/ 24A(UL)	IEC 309 (3P+N+PE), 6H	C13 (36)	3m	CE, UKCA, UL	PDUA327DSA23507

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## Optional Accessories

Item	Function	Part Number
Retention sleeve-C14	For stronger connection with the outlet socket	3798C000000563-S
Retention sleeve-C20		3798C000000564-S
Terminal Resistor	Connect with the daisy chain port for daisy chain application	3798C000000707-S
RJ11-RJ11 Cable (1 m)		3798C000000708-S
RJ11-RJ11 Cable (3 m)		3798C000000709-S
RJ11-RJ11 Cable (5 m)		3798C000000710-S
EMS1000	Monitors temperature and humidity within a single cabinet	EMS1000000

## Explore Delta's Online rPDU Finder for Your Perfect Fit

Use online rPDU Finder to help you choose from:

- Product type (metered/switched)
- Form factor
- Input plug and current
- Output plug type and quantity

The rPDU Selector offers:

- Mechanical drawing
- Electrical diagrams
- Intuitive search capability



rPDU Selector



## Craft Your Ideal rPDU with Delta's Customizable Options

Configure-to-order and engineer-to-order capability.

Nominal Voltage	100-415 Vac
Phase	1-phase, 3-phase
Product Type	Basic, Metered, Switched
Form Factor	0U, 1U, 2U
Rated Current	10-63 A

Cord Length Change

Outlet Type and Quantity



Input Plug Type

Housing Color

Customized Request



## Delta: Your Complete Datacenter Solutions Provider

In the datacenter environment, dependable power supply and cooling are equally vital alongside dependable power distribution. Delta ensures excellence on every front, delivering uninterrupted power flow for optimal performance.

### ⚡ Uninterruptible Power Supply (UPS)



#### Rack-mount UPS (1-20 kVA)

- Unity power, up to 96.5% AC-AC efficiency
- Support VRLA or Li-ion battery



#### Modular UPS (20-2000 kVA)

- Ultra-high power density: 125kW/50kW (3U); 20kW (2U) power modules
- Up to 97.5% AC-AC efficiency

#### Monolithic UPS (250-2500 kW)

- Support 3P3W/3P4W
- Top-tier efficiency: up to 97.7% AC-AC efficiency
- Smart grid management: built-in synchronized multiple bus; Grid- interactive demand response

### ❄️ Cooling



#### Liquid Cooling

- CDU: Liquid-to-Liquid & Liquid-to-Air CDU
- Immersion cooling: 1-phase & 2-phase

#### Air Cooling

- Rear door heat exchanger
- CRAH & In-row cooling

### 📦 Rack & Accessories



#### Modular Rack

- Tool-less setup, with 70% perforation
- EIA-310-D compliant

### 🖥️ Management System



#### Datacenter Infrastructure Management (DCIM)

- Unified IT/facility management
- PUE and energy monitoring and optimization



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Delta, founded in 1971, is a global leader in power and thermal management with a thriving portfolio of IoT-based smart energy-saving solutions in the fields of data center infrastructure, microgrids, smart manufacturing, intelligent buildings, and E-mobility to nurture mankind's sustainable development. As a world-class corporate citizen guided by its corporate mission, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," Delta leverages its core competence in high-efficiency power electronics and its ESG-embedded business model to address key environmental issues related to climate change. Delta serves customers through its sales offices, R&D centers and manufacturing facilities spread over close to 200 locations across 5 continents. Throughout its history, Delta has received numerous awards and worldwide recognition for its business achievements, innovative technologies, and dedication to ESG.



Delta Group



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