


VOLTZ

by Raptor Power

**Eatontown, NJ | Somerville, NJ | Champaign, IL**

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# Index

# About Voltz Rack PDU

## Introducing the Voltz Rack PDU:
*Power Distribution Perfected*

Don’t settle for mediocrity when it comes to power distribution. Choose Voltz Rack for advanced control, monitoring, and efficiency. It’s time to elevate your data center’s power management game.

When it comes to efficient and intelligent power distribution, look no further than the Voltz Rack. Our cutting-edge rack PDU is more than just a power strip; it’s a game-changer for your data center, offering a suite of features designed to elevate your operations and safeguard your critical equipment.

### Unparalleled Control and Monitoring

The Voltz Rack PDU is the heart of your rack’s power management. With input metering and outlet switching capabilities, it gives you real-time insight into your power consumption and the ability to take immediate action. No more guesswork – our PDU puts you in the driver’s seat.

### Seamless Power Optimization

Avoid overloads, optimize capacity, and minimize energy usage effortlessly. The Voltz Rack empowers you to make informed decisions to keep your operations running smoothly and efficiently.

### Smart Outlet Control

Take control like never before with switched outlets. Power up your equipment in the right sequence, perform remote reboots, and manage outlet access with ease. Your equipment operates on your terms.

### Future-Proof Technology

The Voltz Rack is designed for tomorrow’s challenges. Our hot-swappable network management controller ensures that you’re always ready for upgrades, reducing Mean Time to Repair (MTTR) to a minimum.

### Total Environmental Awareness

Monitoring your environment is a breeze with up to sixteen environmental sensors. Detect temperature, humidity, and airflow changes, allowing you to maintain ideal conditions for your critical infrastructure.

### Robust Connectivity Options

Stay connected with your equipment through a variety of interfaces, including WebUI, SSH, SNMP, and RESTful API. The Voltz Rack is your gateway to comprehensive power management.

### Versatile Integration

Seamlessly integrate the Voltz Rack with your existing systems. It plays well with DCIM and BMS, making it an essential component of your data center ecosystem.

### PoE Power Sharing

Experience the convenience of optional PoE power sharing over Ethernet cable. Simplify your setup and reduce clutter with this innovative feature.

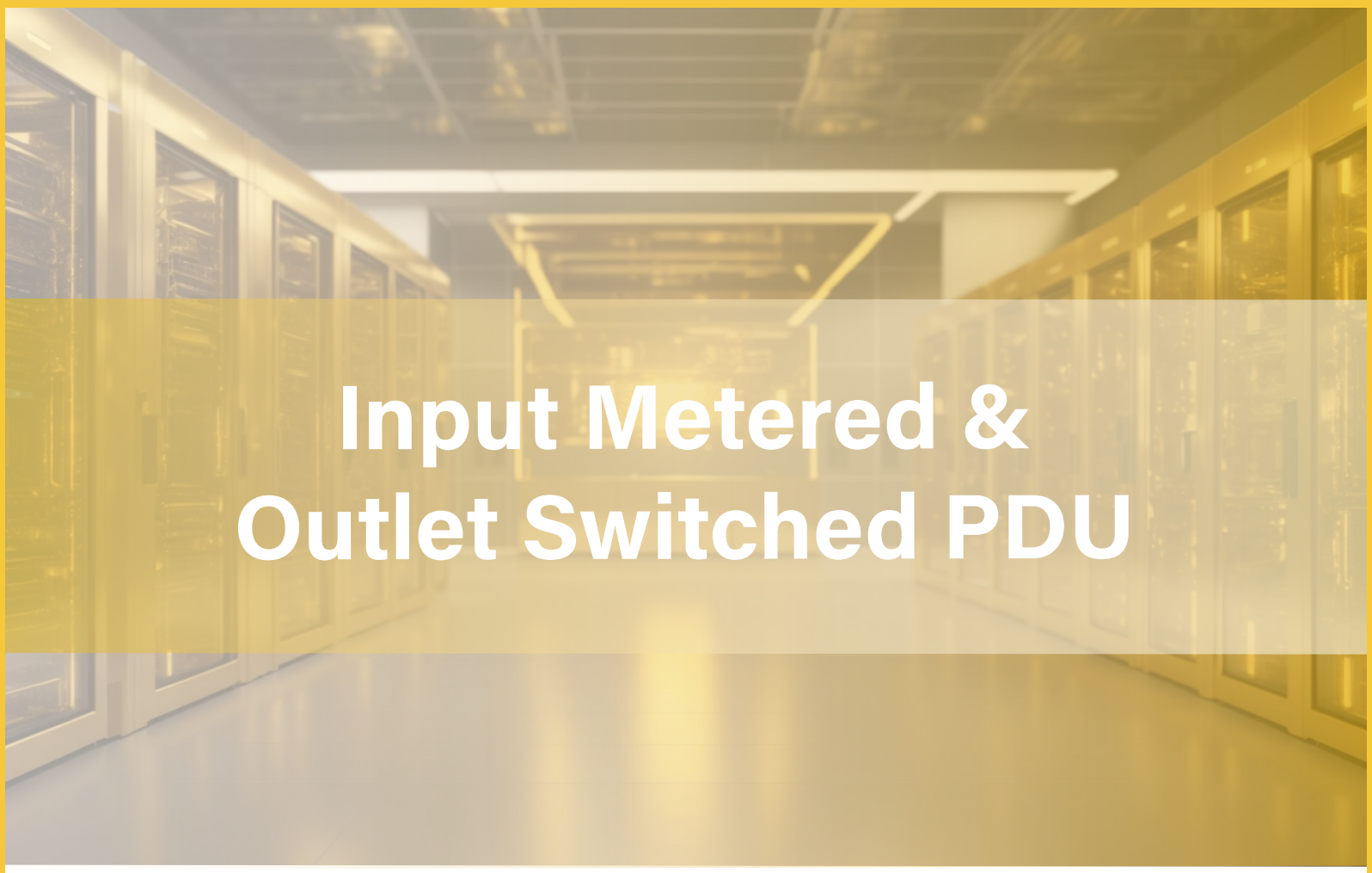
### Fortified Security

Security is paramount. Rest easy knowing that the Voltz Rack offers high-level network security, ensuring the safety of your critical data.

### Applications Across Industries

Experience the convenience of optional PoE power sharing over Ethernet cable. Simplify your setup and reduce clutter with this innovative feature.The Voltz Rack is versatile, making it the perfect choice for various environments:

- Energy metering in environments that require precision.
- Colocation facilities where every watt counts.
- MDF, IDF, Data Center, Computer Room, and Data Room Environments that demand top-tier power management.



# Input Metered & Outlet Switched PDU



SKU:RP3S30S30-001

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# Specs RP3S30S30-001

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | N/A |
| **Outlet Switching** | Yes |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1800mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 30.86 lb (14 kg) |




# Specs RP3S30S30-001

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 3 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | IEC60309 32A (3P+N+E) |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 23kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (24)C13 + (6)C19; Per Breaker: (4)C13 + (1)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

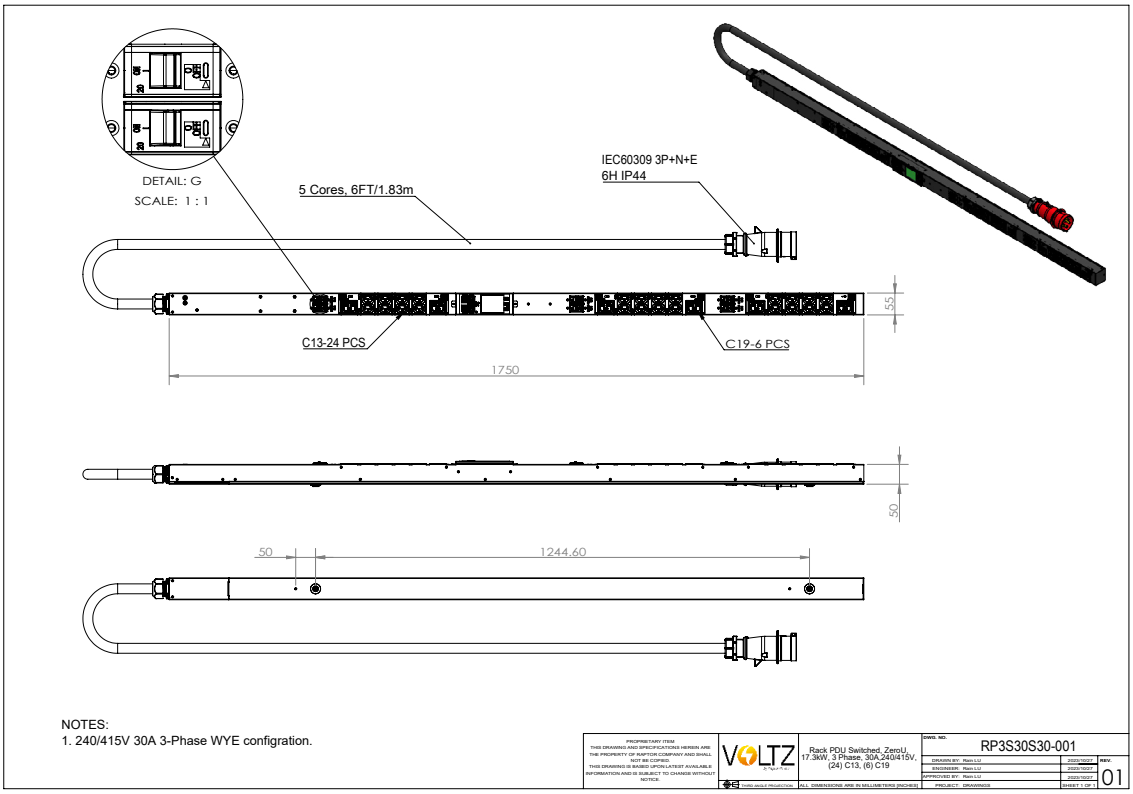
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 44.00 lb (19.95 kg) |

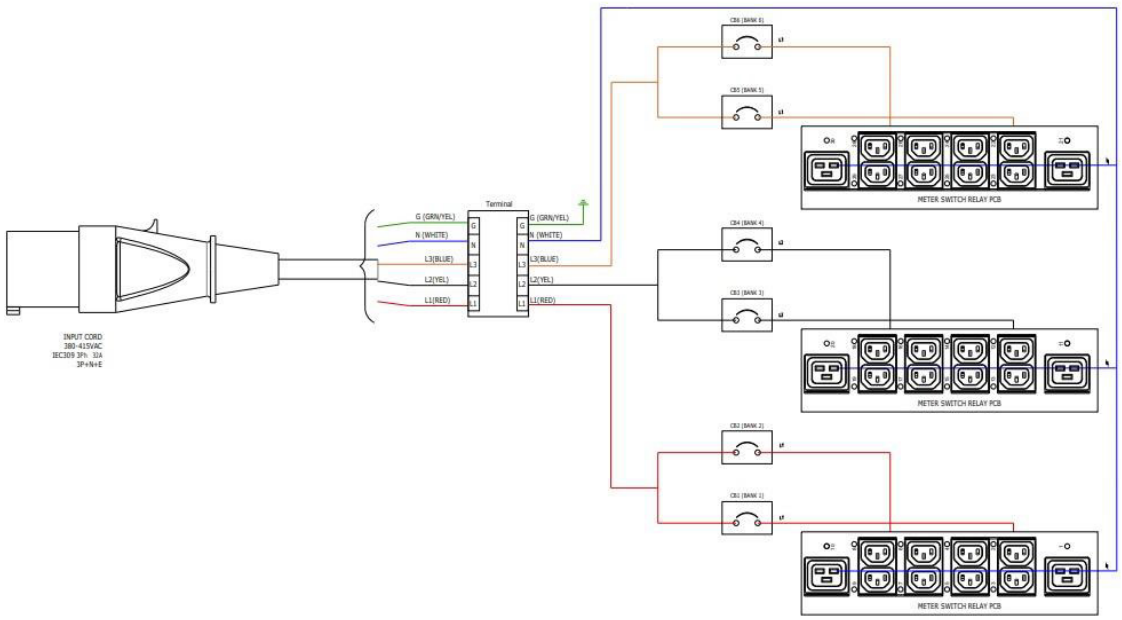
# Drawing / Wiring Diagram

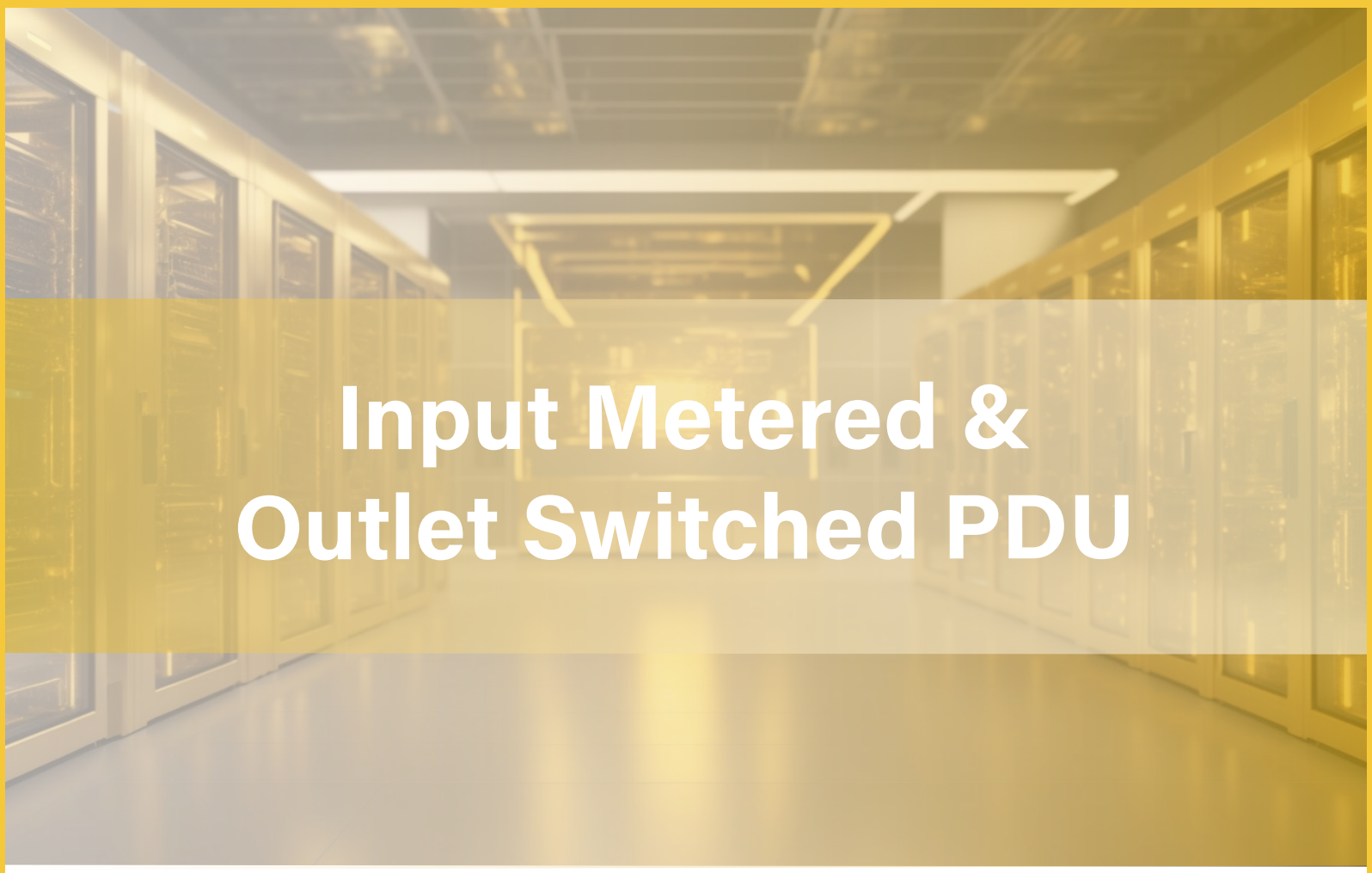
RP3S30S30-001

## Drawing




## Wiring





# Input Metered & Outlet Switched PDU



## SKU:RP1S30S28-001

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by Raptor Power




# Specs RP1S30S28-001

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | N/A |
| **Outlet Switching** | Yes |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 65 in (1650mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 30.86 lb (14 kg) |




# Specs RP1S30S28-001

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 1 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | NEMA L6-30P |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 5.0 kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (24)C13 + (4)C19; Per Breaker: (12)C13 + (2)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

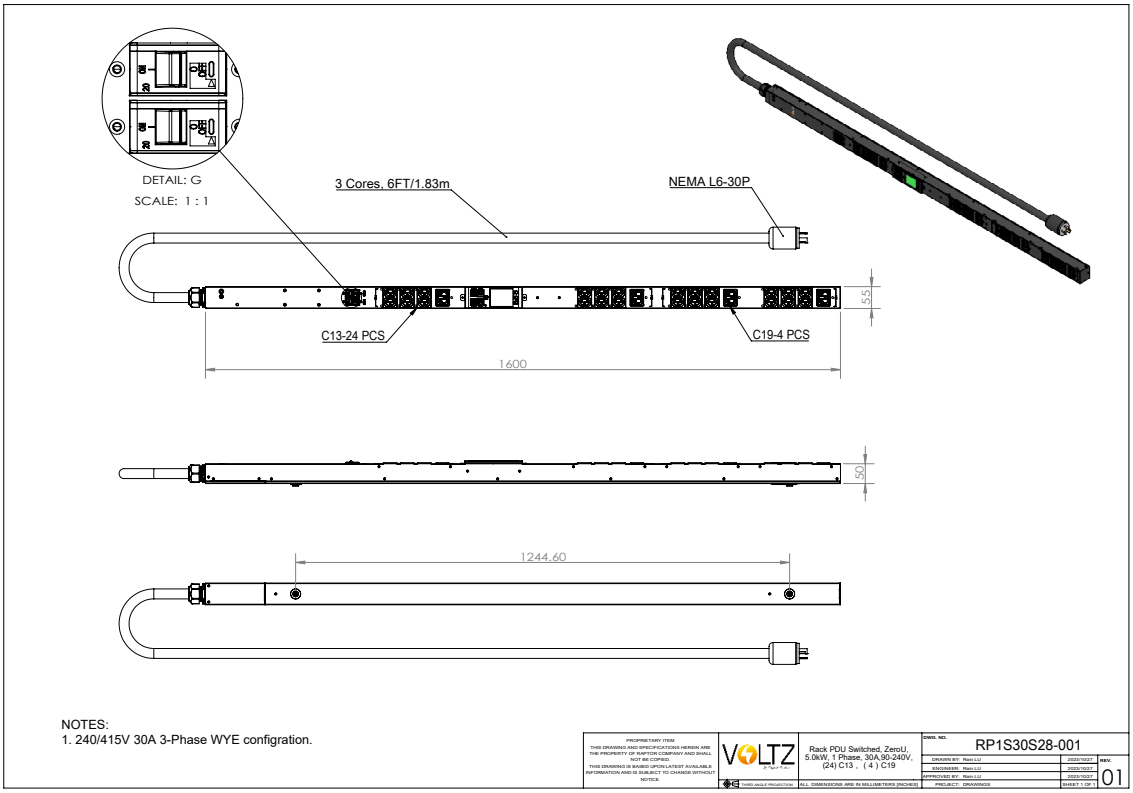
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 44.00 lb (19.95 kg) |

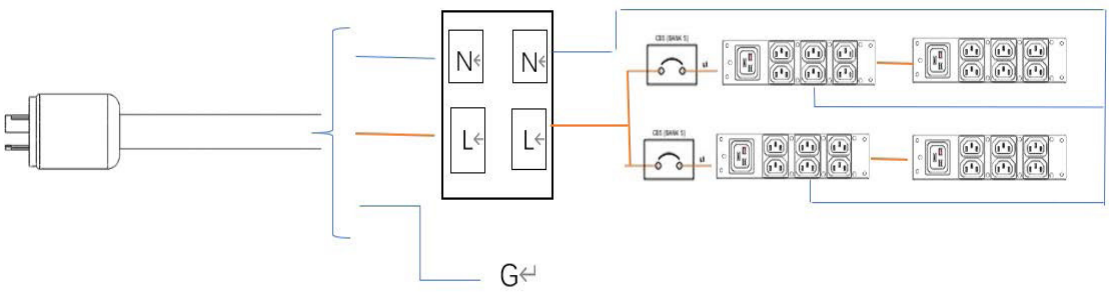
# Drawing / Wiring Diagram

RP1S30S28-001

## Drawing




## Wiring





# Input Metering PDU



## SKU:RP3M30S36-016

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# Specs RP3M30S36-016

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | No |
| **Outlet Switching** | No |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1650mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 28.66 lb (13 kg) |




# Specs RP3M30S36-016

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 3 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | NEMA L22-30P |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 17.3 kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (24)C13 + (12)C19; Per Breaker: (4)C13 + (2)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

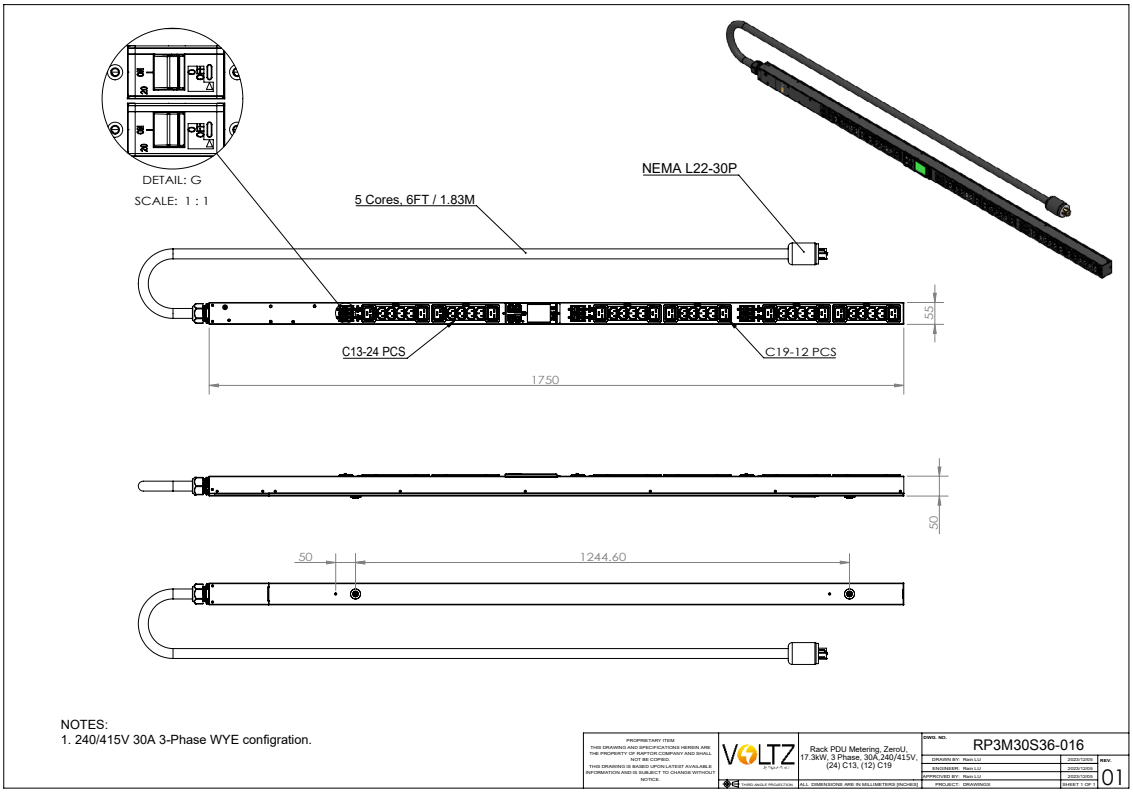
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 41.78 lb (19.95 kg) |

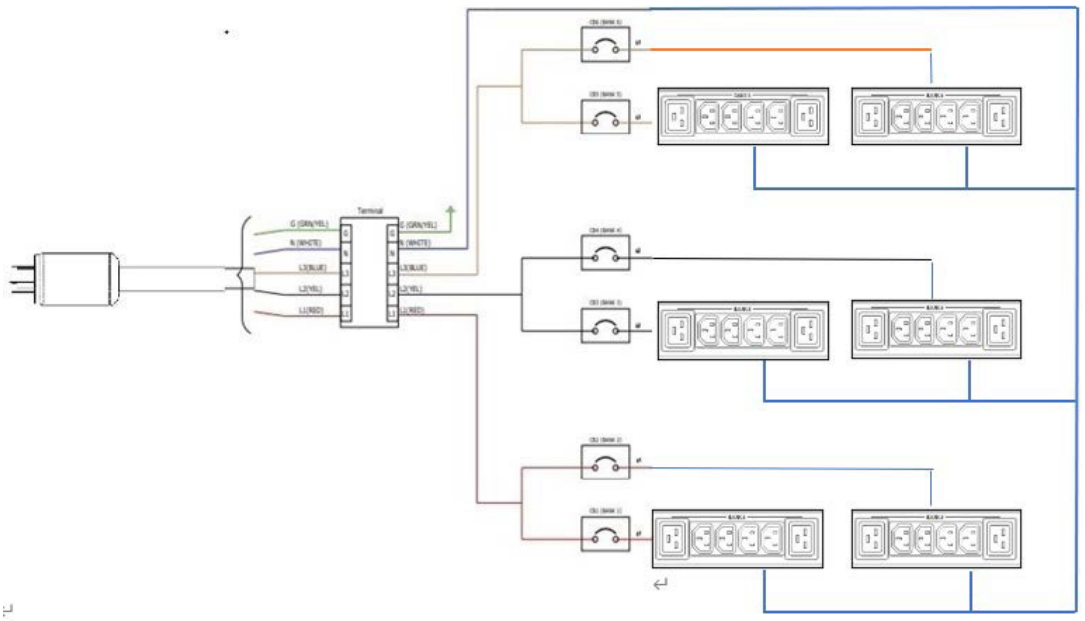
# Drawing / Wiring Diagram

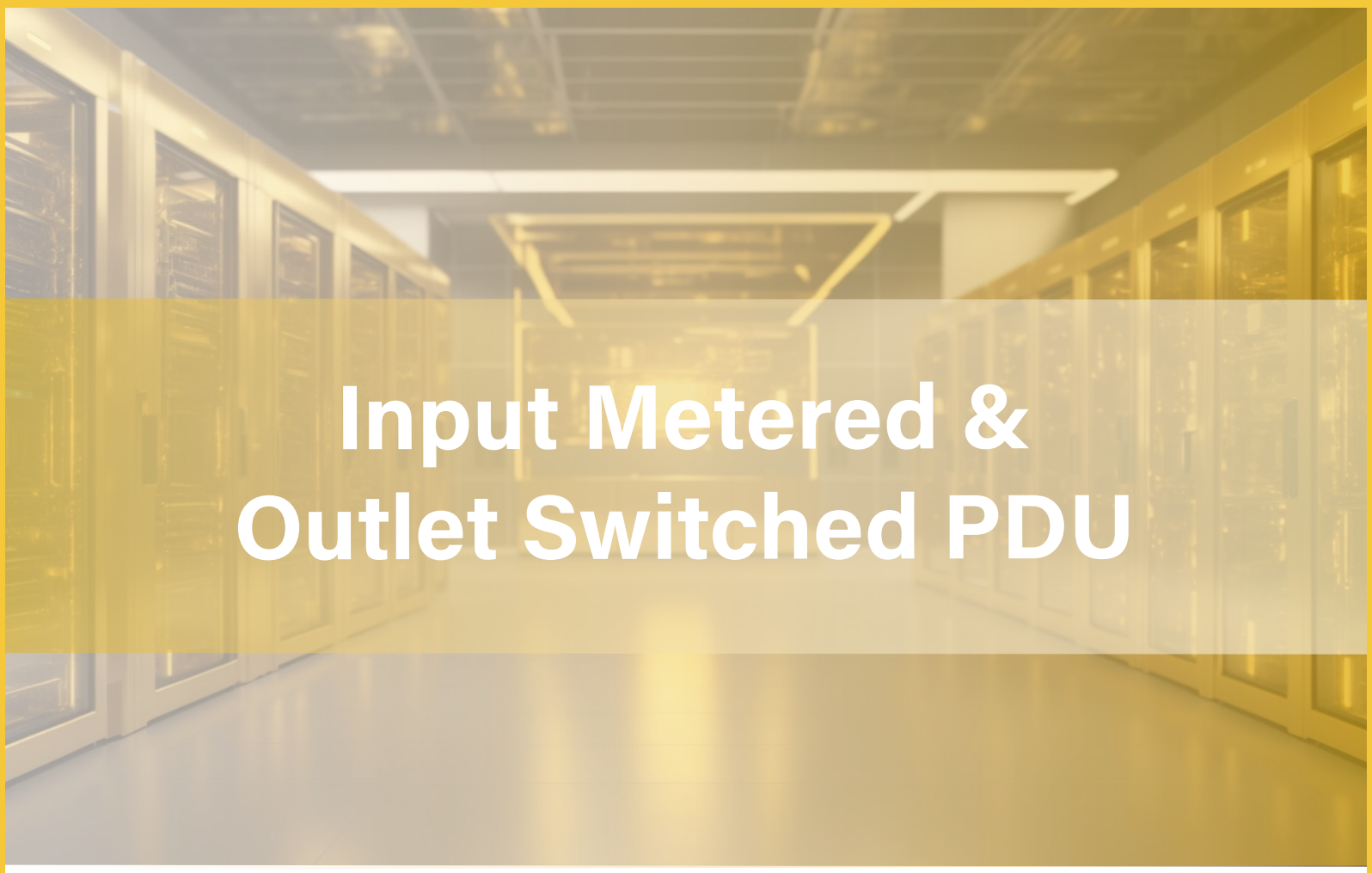
RP3M30S36-016

## Drawing




## Wiring





# Input Metered & Outlet Switched PDU



## SKU:RP3S30S24-005

VOLTZ
by Raptor Power




# Specs RP3S30S24-005

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | N/A |
| **Outlet Switching** | Yes |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1800mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 30.86 lb (14 kg) |




# Specs RP3S30S24-005

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 3 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | IEC60309 32A (3P+N+E) |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 17.3 kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (12)C13 + (12)C19; Per Breaker: (2)C13 + (2)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

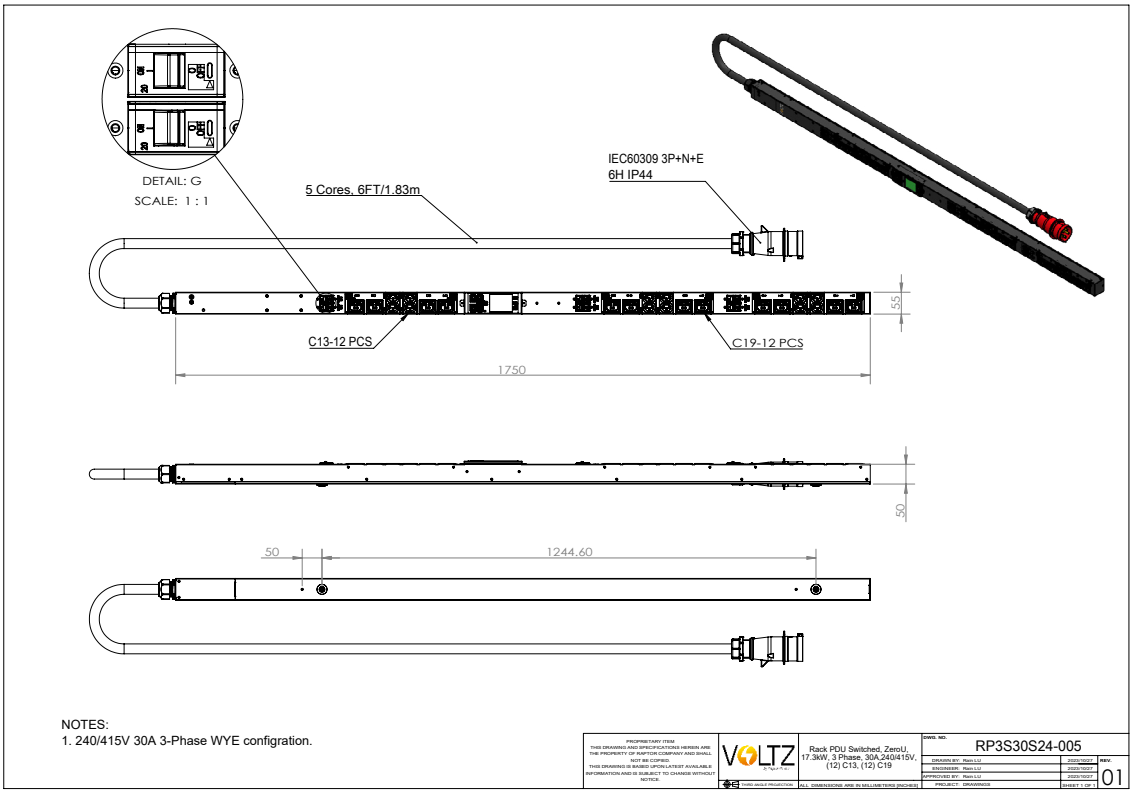
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 44.00 lb (19.95 kg) |

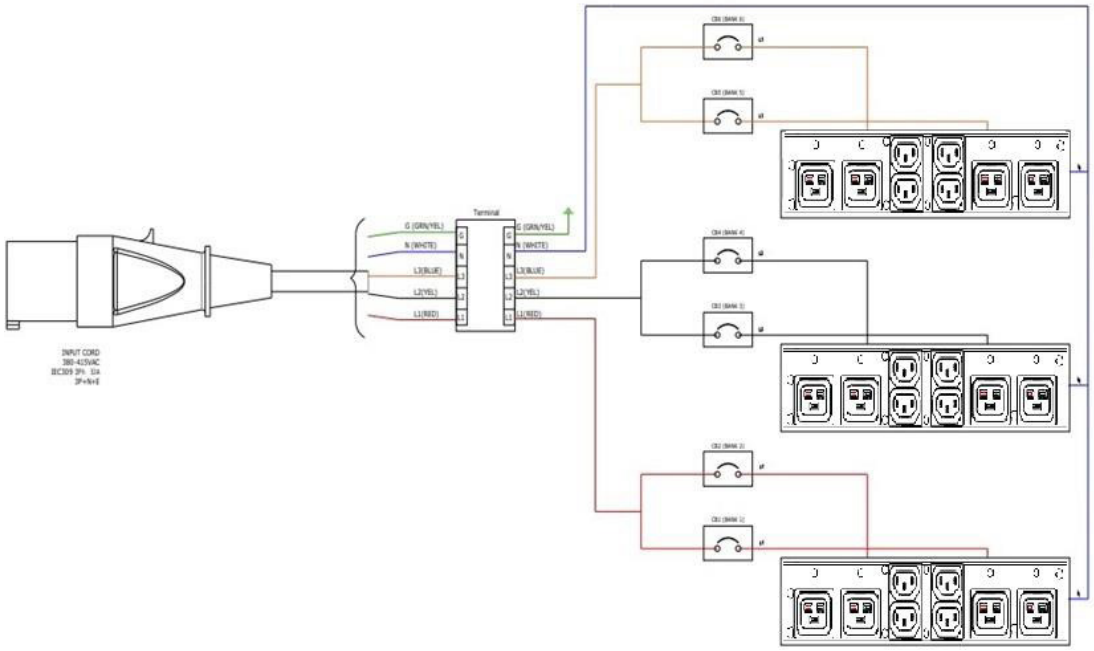
# Drawing / Wiring Diagram

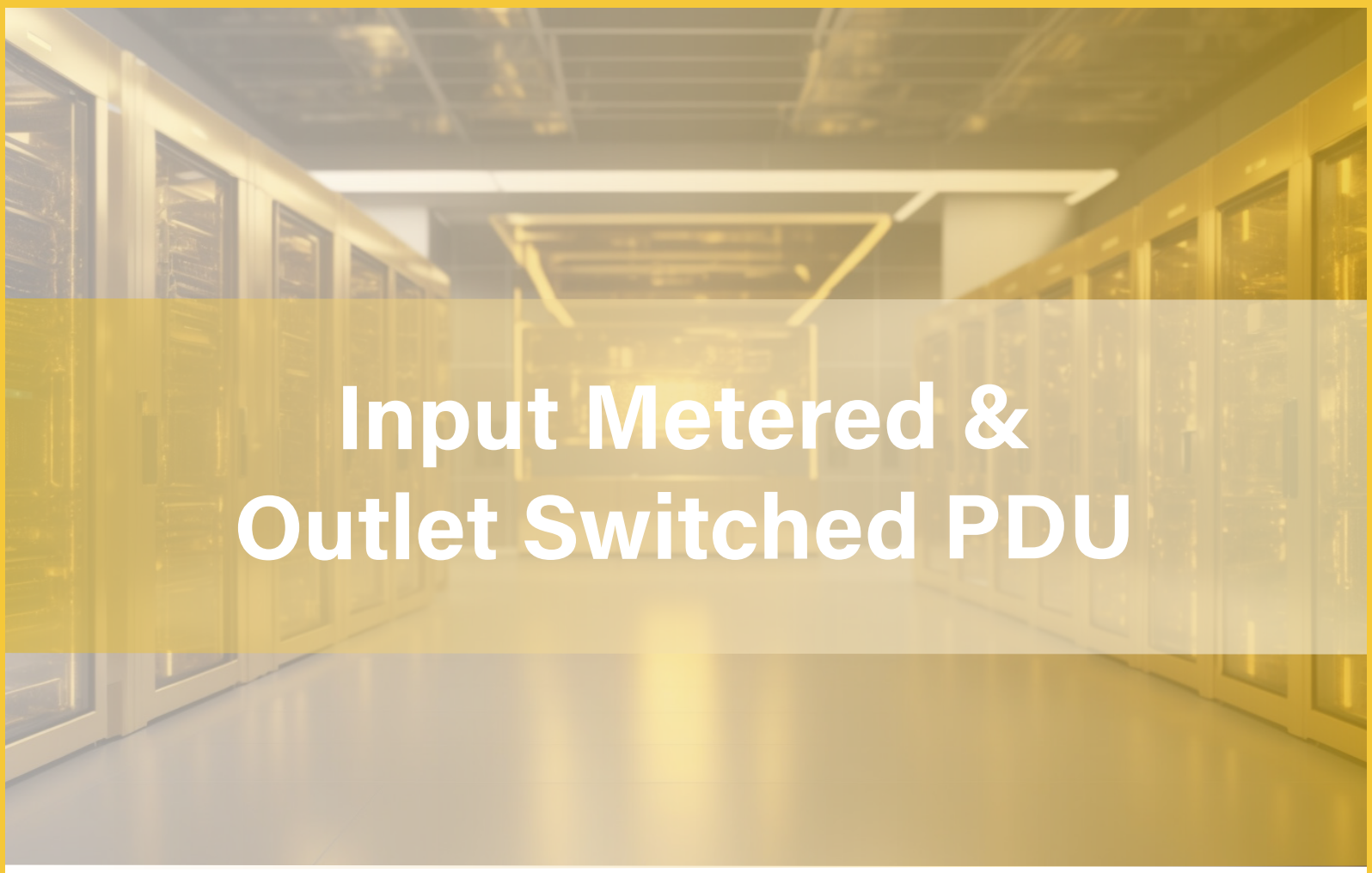
RP3S30S24-005

## Drawing




## Wiring





# Input Metered & Outlet Switched PDU



## SKU:RP1P32S32-003

VOLTZ
by Raptor Power

# Specs RP1P32S32-003

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Outlet Switching** | Yes |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1800mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 28.66 lb (13 kg) |




# Specs RP1P32S32-003

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 1 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 32A |
| **Input Connection Type** | IEC60309 32A (1P+N+E) |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 7.4 kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (2) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (24)C13 + (8)C19; Per Breaker: (12)C13 + (4)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

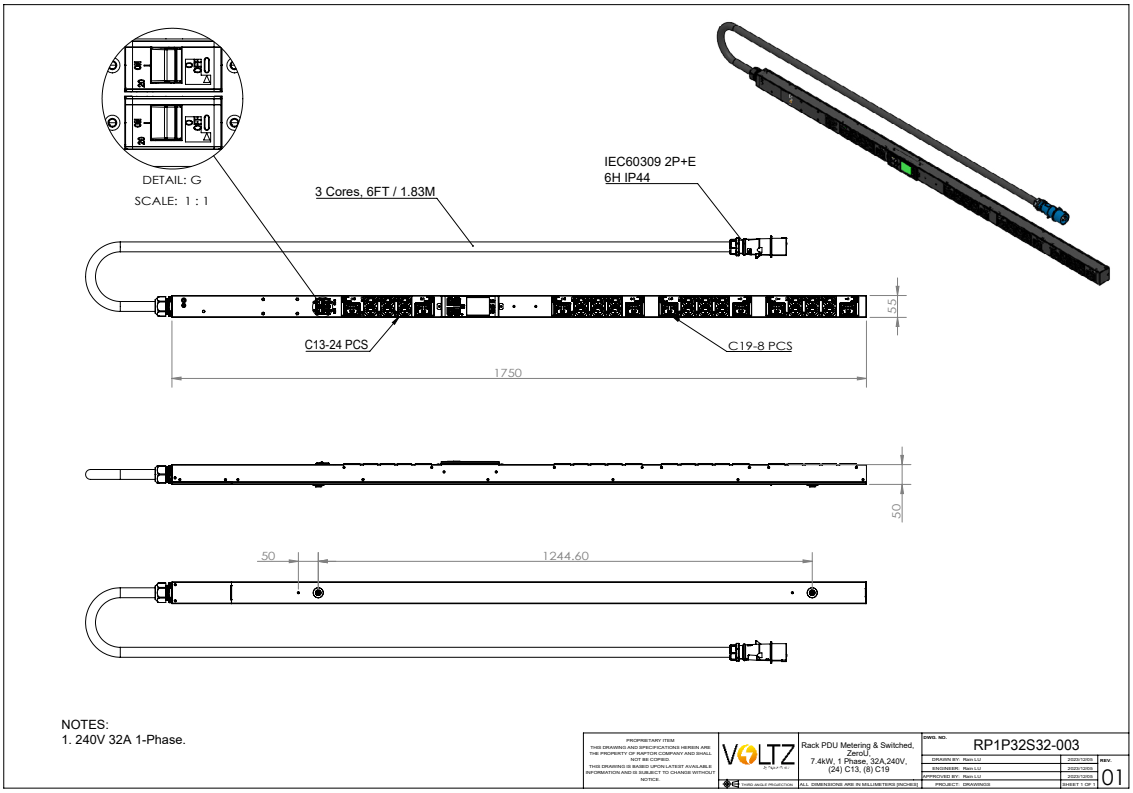
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 41.78 lb (19.95 kg) |

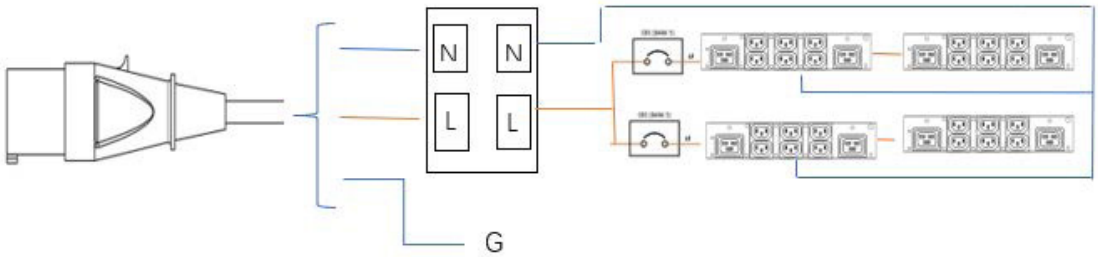
# Drawing / Wiring Diagram

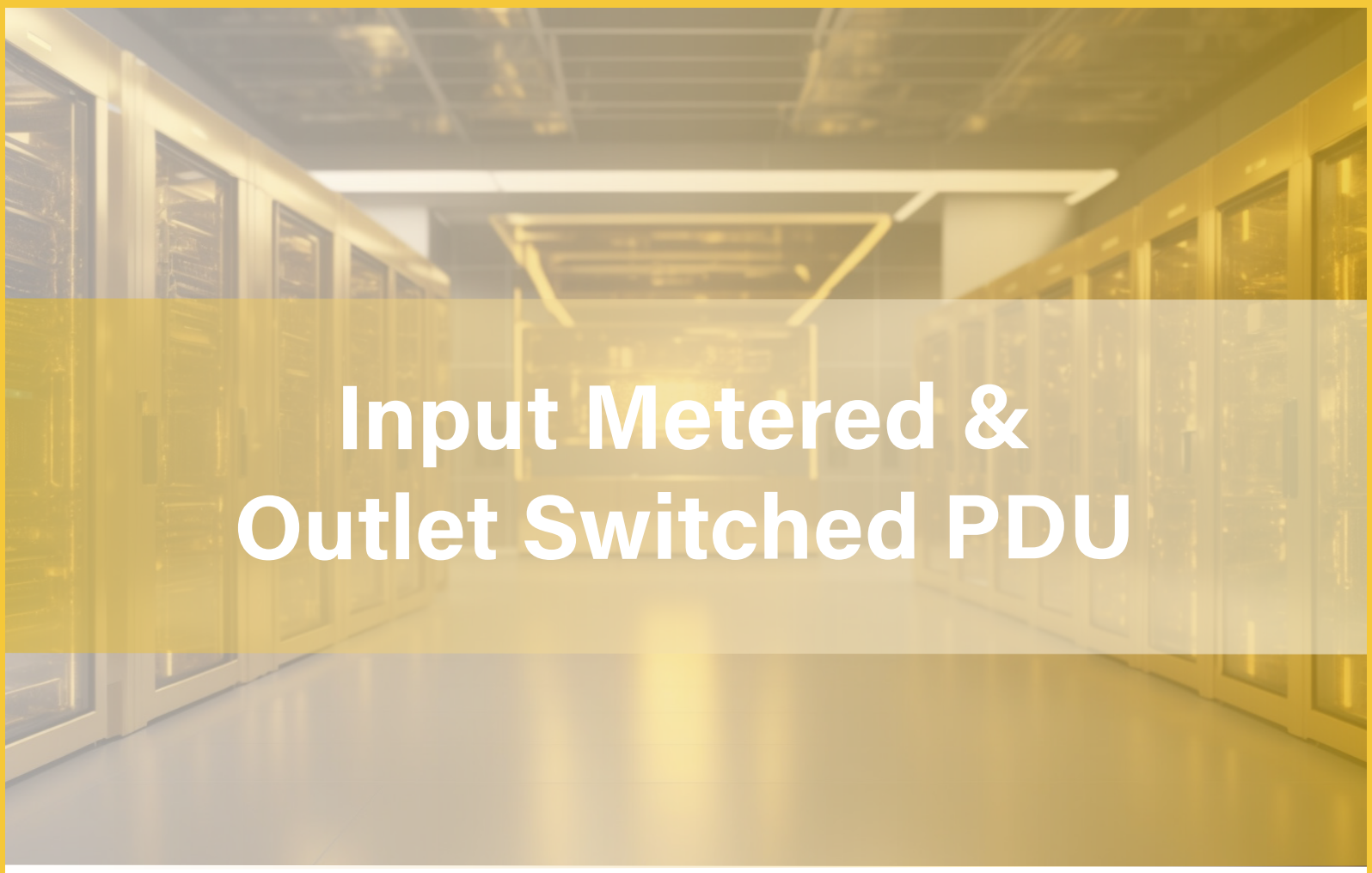
RP1P32S32-003

## Drawing




## Wiring





# Input Metered & Outlet Switched PDU



SKU:RP3S30S24-013

VOLTZ
by Raptor Power




# Specs RP3S30S24-013

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | N/A |
| **Outlet Switching** | Yes |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 59 in (1500mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 30.86 lb (14 kg) |




# Specs RP3S30S24-013

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 3 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | NEMA L22-30P |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 17.3 kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (24)C13 ; Per Breaker (4)C13 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

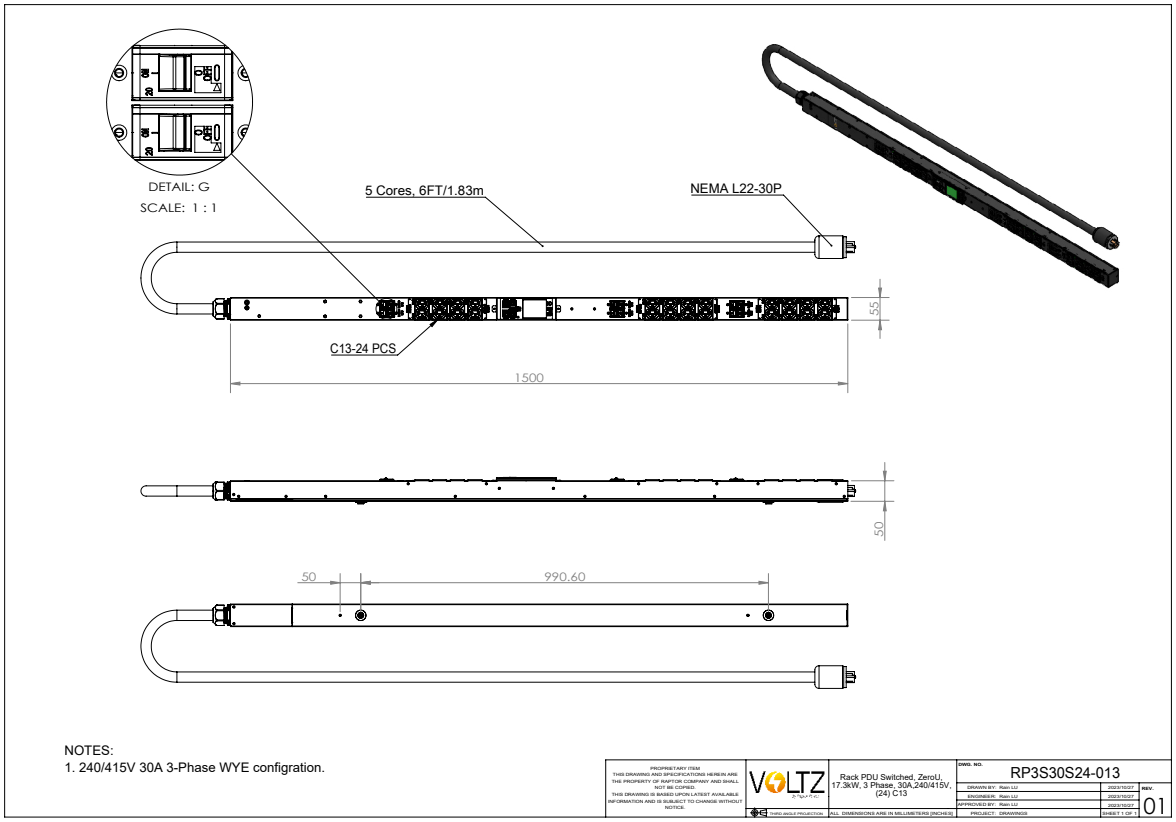
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 44.00 lb (19.95 kg) |

# Drawing / Wiring Diagram

RP3S30S24-013

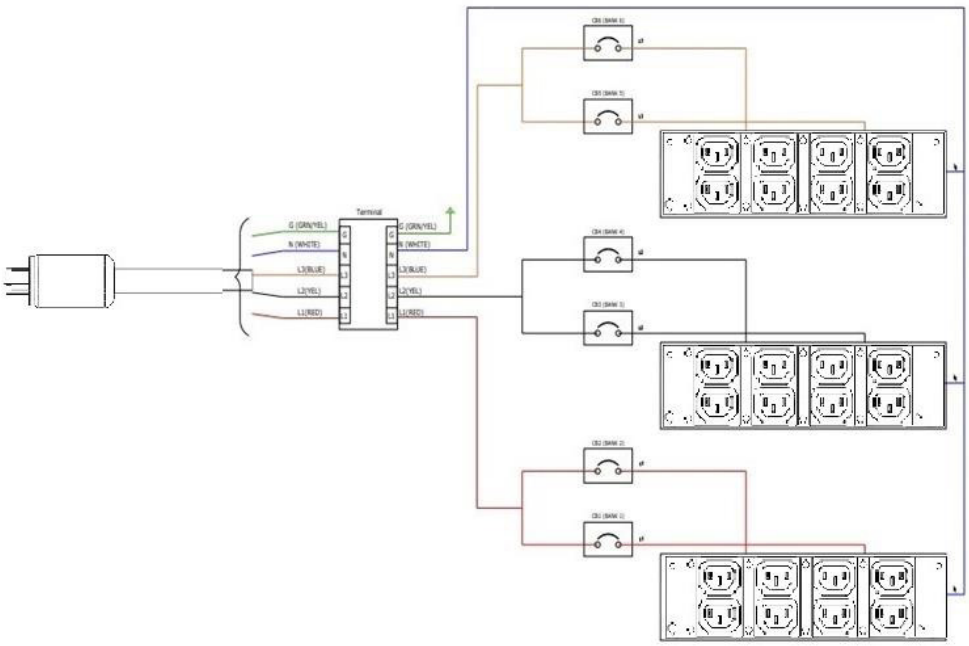
## Drawing




NOTES:
1. 240/415V 30A 3-Phase WYE configration.

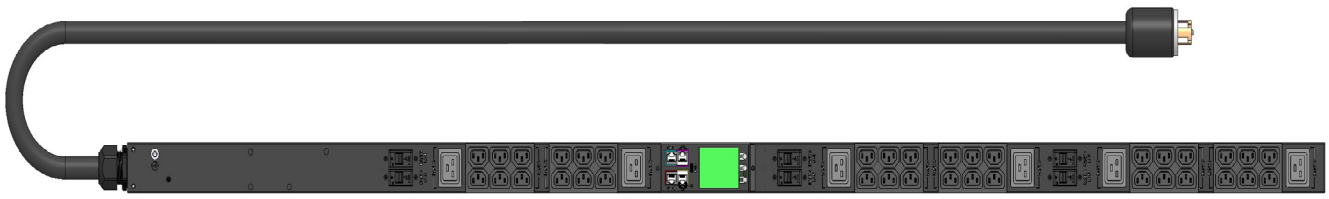
| | | | |
|---|---|---|---|
| PROPRIETARY ITEM THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF RAPTOR COMPANY AND SHALL NOT BE COPIED. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE. | VOLTZ by Raptor Power | Rack PDU Switched, ZeroU, 17.3kW, 3 Phase, 30A,240/415V, (24) C13 | DWG. NO. RP3S30S24-013 |
| THIRD ANGLE PROJECTION | ALL DIMENSIONS ARE IN MILLIMETERS [INCHES] | DRAWN BY: Rain LU 2023/10/27<br>ENGINEER: Rain LU 2023/10/27<br>APPROVED BY: Rain LU 2023/10/27<br>PROJECT: DRAWING8 | REV. 01<br>SHEET 1 OF 1 |

## Wiring





# Input Metering PDU



## SKU:RP3M30S42-021

VOLTZ
by Raptor Power




# Specs RP3M30S42-021

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | N/A |
| **Outlet Switching** | N/A |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera
  *Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1800mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 28.66 lb (13 kg) |




# Specs RP3M30S42-021

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 3 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | NEMA L22-30P |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 17.3 kVA |
| **Rated Output Current (Phase)** | 30A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (36)C13 + (6)C19 ; Per Breaker: (6)C13 + (1)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable Offer Status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead Free** | Yes |
| **Mercury Free** | Yes |
| **RoHS Exemption Information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

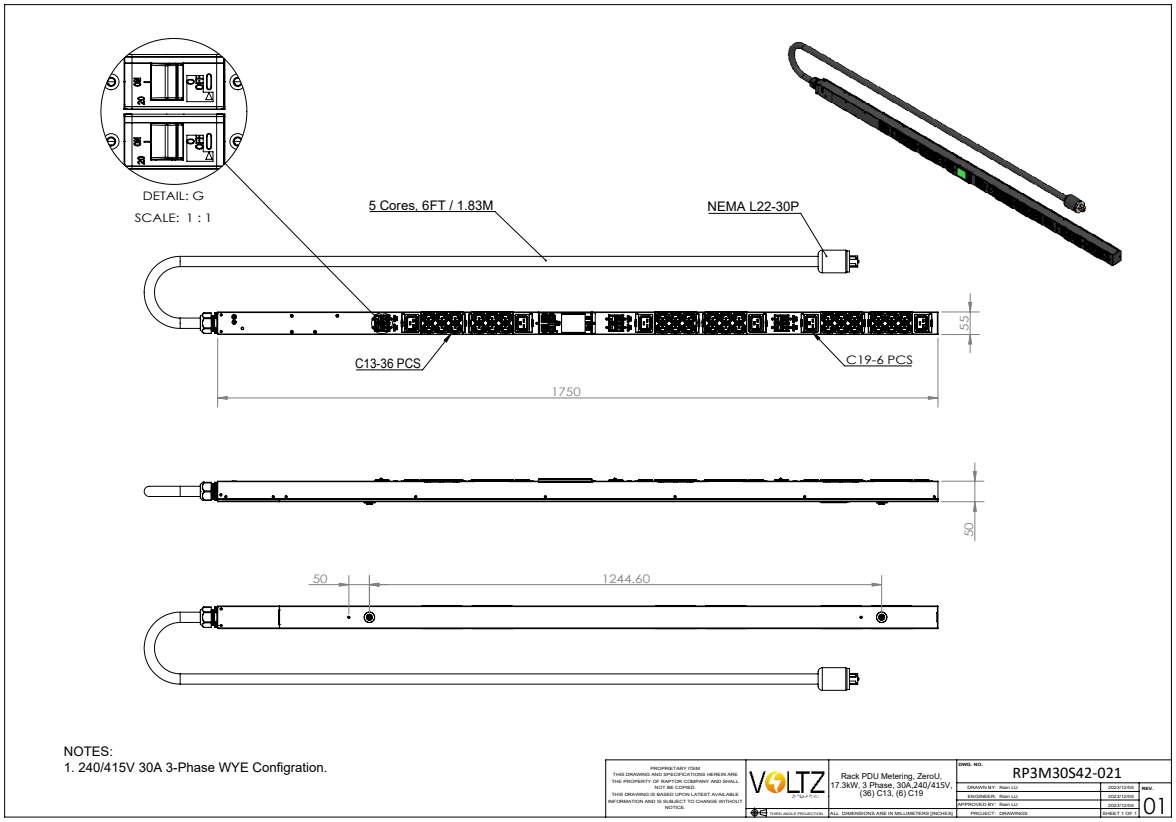
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 41.78 lb (18.95 kg) |

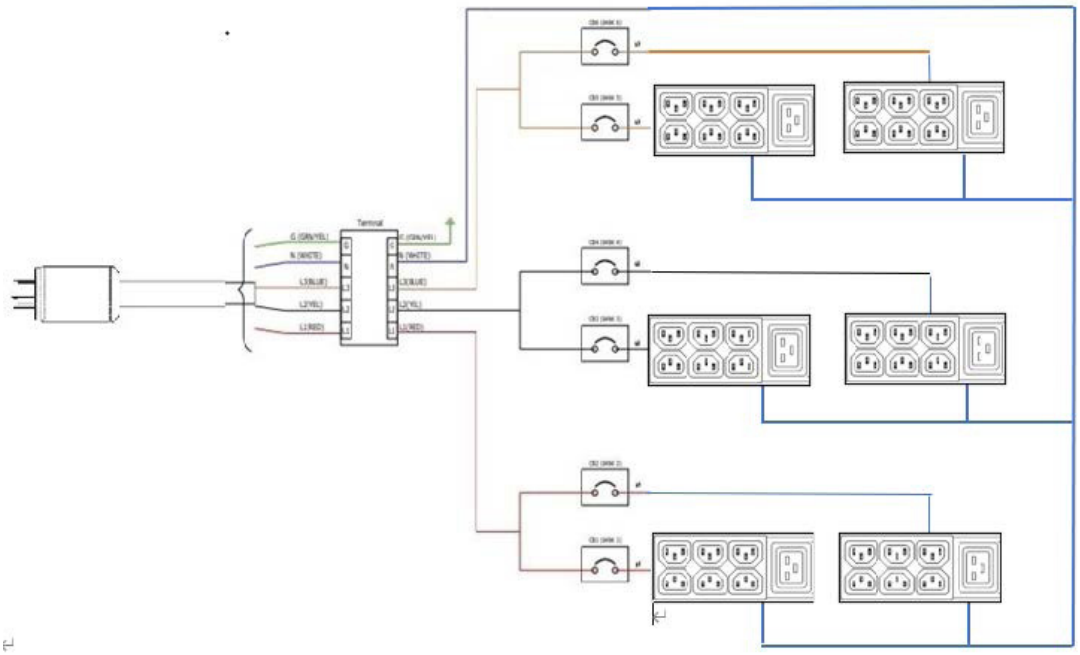
# Drawing / Wiring Diagram

RP3M30S42-021

## Drawing




## Wiring





# Input Metering PDU



SKU:RP3M32S42-003

VOLTZ
by Raptor Power




# Specs RP3M32S42-003

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | NO |
| **Outlet Switching** | NO |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera

*Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1800mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 28.66 lb (13 kg) |




# Specs RP3M30S42-021

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 3 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 30A |
| **Input Connection Type** | IEC60309 3P+N+E 6H IP44 |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 17.3 kVA |
| **Rated Output Current (Phase)** | 20A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (6) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (30)C13 + (12)C19; Per Breaker: (6)C13 + (2)C19, (4)C13 + (2)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable offer status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead free** | Yes |
| **Mercury free** | Yes |
| **RoHS exemption information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

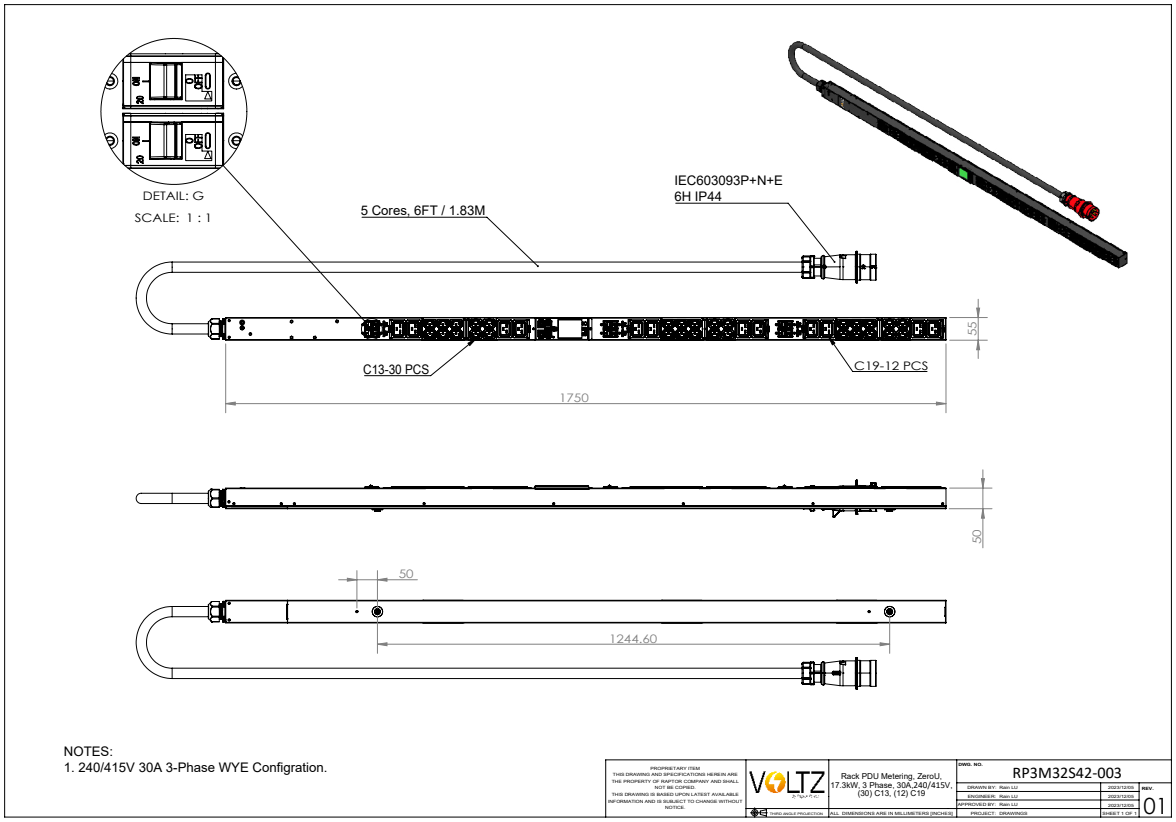
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 41.78 lb (18.95 kg) |

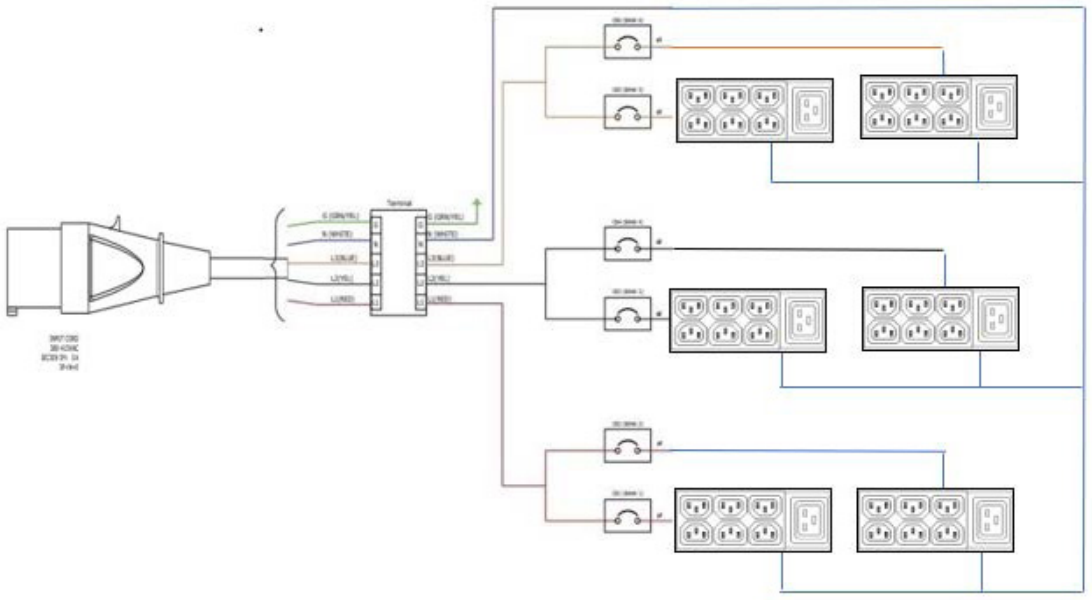
# Drawing / Wiring Diagram

RP3M32S42-003

## Drawing

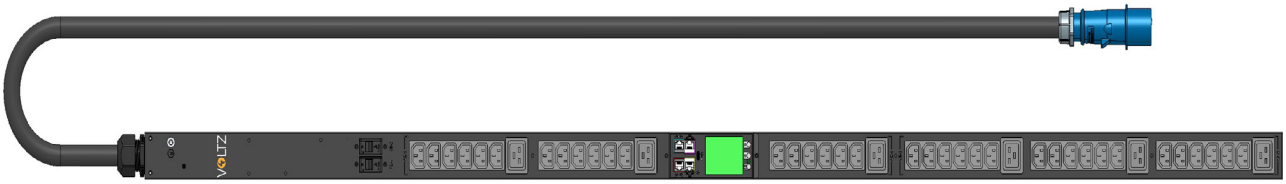



## Wiring





# Input Metering PDU



## SKU:RP1M32S42-004

VOLTZ
by Raptor Power




# Specs RP1M32S42-004

## Function

| | |
|---|---|
| **Energy Metering** | Voltage (V), Current (A), Active Power (kW), Apparent power (kVA), Energy (kWh), Power Factor(pF) |
| **Metering Accuracy** | Billing grade, 1% ISO/IEC 62053-21 |
| **Outlet Level Metering** | N/A |
| **Outlet Switching** | YES |
| **Network Management** | 2x 10/100M Ethernet |
| **Number of Rack unit** | 0U |

## Network Management Card

### Network Port

2x10/100M IEE802.3 Ethernet Ports

Optional PoE PD on Port 1

Optional PoE PS on Port 2

### Sensor Port

2x Slip RFC1055 over RS485 Ports

Date Rate : 19200 bps

Power Supply on Port : 5V 500mA, 12V, 300mA
Supported Sensor

- Temperature and Humidity
- Door Switch / Dry Contact
- Intelligent Handle
- Assests Management System
- Air Flow

### USB Port

Mode: Host:
Supported Device:

- Serial Cable
- Ethernet Adapter
- Camera
  *Supported device subject to change

### Network IP Mode

- IPv4, IPv6, Dual Mode
- IP Management: DHCP, Static, IP Bridge

### Management Protocols

- SNMP: v2c, v3 with SHA512/AES256
- Restful API over https with TLS1.3 supported
- RAW Json over https with TLS1.3 supported
- MQTT subscription
- SSH2 command line interface

### Authorization

- Microsoft Active Directory
- LDAP
- Radius
- Tacacs+

### Event Notification

- Email SMTP over TLS
- Syslog
- SNMP trap
- MQTT

### Network Security

- Hardware Random Number Generator
- Hardware Crypto
- Hash: md5, sha1, sha256, sha512
- Encryption: AES, DES, RSA
- Transpoetation: TLS1.2, TLS1.3, DTLS1.2, DTLS1.3

## Physical

| | |
|---|---|
| **High** | 71 in (1800mm) |
| **Width** | 2.17 in (55mm) |
| **Depth** | 2.17 in (55mm) |
| **Depth t Circuit Breaker in (mm)** | 2.87 in (73mm) |
| **Color** | Black |
| **Net Weight** | 28.66 lb (13 kg) |




# Specs RP1M32S42-004

## Electrical

| | |
|---|---|
| **Main Input Voltage** | 1 Phase , 220-240 VAC, +6%, -10% |
| **Input Current (Phase)** | 32A |
| **Input Connection Type** | IEC603092P+E 6H IP44 |
| **Cable Length** | (6 FT)1.83m |
| **Input Frequency** | 50/60Hz |
| **Loading Capacity** | 7.4 kVA |
| **Rated Output Current (Phase)** | 20A |
| **Rated Output Current (Outlet)** | C13:12A, C19:16A |
| **Overload Protection (Internal)** | (2) 20A, 1-pole, 10kAIC, hy-mag circuit breakers |
| **Outlet Configuration** | Total: (36)C13 + (6)C19; Per Breaker: (18)C13 + (3)C19 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature for Operation** | 23…140 °F (-5…60 °C) |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 0...10000 ft |
| **Ambient Air Temperature for Storage** | -13…149 °F (-25…65 °C) |
| **Storage Relative Humidity** | 5…95 % |
| **Storage Altitude** | 0…50000 ft (0.00…15240.00 m) |

## Offer Sustainability

| | |
|---|---|
| **Sustainable offer status** | Green Premium product |
| **REACH Regulation** | REACH Declaration |
| **EU RoHS Directive** | EU RoHS Declaration |
| **Lead free** | Yes |
| **Mercury free** | Yes |
| **RoHS exemption information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |

## Compliance Approve

| | |
|---|---|
| **Product Certifications** | CE, ETL |
| **Standards** | FCC Part 15 Class A/ICES-003/UL 60950-1 |

## Warranty

| | |
|---|---|
| **Warranty Time** | 3 years repair or replacement |

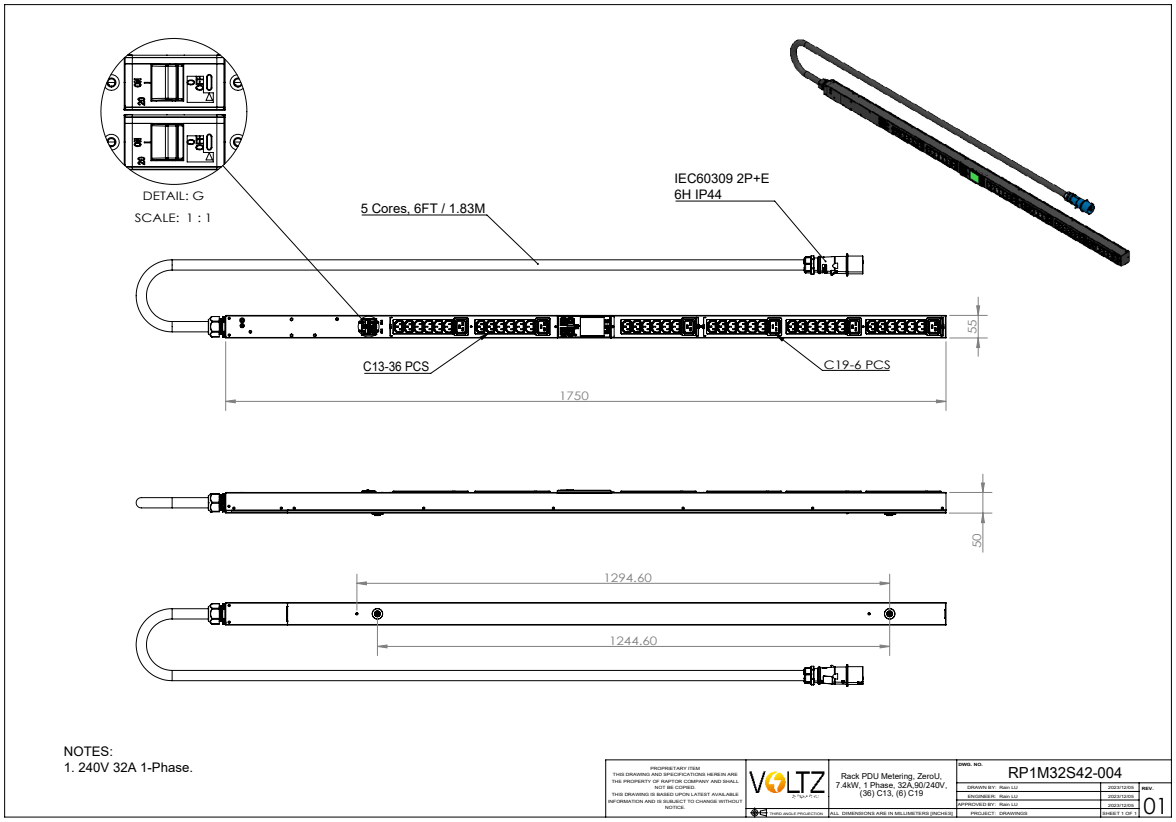
## Package Units

| | |
|---|---|
| **Number of Units in Package** | 1 unit |
| **Package Length** | 84.61 in (214.9cm) |
| **Package Width** | 8.70 in (22.0 cm) |
| **Package Height** | 4.41 in (11.2 cm) |
| **Package Weight** | 41.78 lb (18.95 kg) |

# Drawing / Wiring Diagram

RP1M32S42-004

## Drawing




## Wiring

