# RACKPOWER INTELLIGENT POWER DISTRIBUTION UNITS

## FEATURES

- Single or multi-phase
- Input voltages North American 110 / 120 VAC or 208 VAC, European and Asia 230 VAC or 400 VAC
- Global plug and receptacles NEMA and IEC rated
- 5 Configuration types: RP3000, RP2000, RP1500, RP1000, RP100
- External communications and monitoring – protected and secure LAN connections
- Local and remote power monitoring of single outlets and circuits showing data for current (AMP), voltage (Volt), power (kW), energy consumption (kWh) and power factor of entire PDU with a metering accuracy to within +/- 1%
- Remote power on/off switch
- Field replaceable, "hot-swappable", smart monitor (RP Meter) and DC module
- 19-in. Rack Mounting (1 and 2 RU offering)
- Versatile vertical / rack and cabinet mounting
- Surge protection
- Dual power feed entry for single phase RackPower PDUs
- Temperature Sensor or Temperature and Humidity Sensor
- Power cord whip – various lengths, colors and plugs

## INDUSTRY STANDARDS

Test to UL File E309439 UL 60950-1 Information Technology Equipment
Test to cUL File E309439 CSA-C22.2 No. 60950-1 Information Technology Equipment
FCC
CE
RoHS
REACH

## APPLICATION

RackPower Intelligent Power Distribution Units address controlling power on Cabinets as well as Open Frame Racks and Wall-Mount enclosures. Design your power solution using a variety of configuration options. The units are available in horizontal 19-in. rack or vertical mounting capabilities and a broad range of features.

## SPECIFICATIONS

- Steel housing
- Various cord length and plug styles available; also available in LSZH (low smoke zero halogen)
- Mounting hardware

## FINISH

Standard is black, other finishes available

## ORDERING

If the portfolio of pre-configured items does not meet your needs, all iPDUs can be configured to your specifications as a custom order. Contact Customer Service to place an order.

To configure a custom PDU, go to
**https://configurator.schroff.biz/PDU_**Webapp/

**BULLETIN: DPY**

RackPower Series Configuration Sets

| Features | RP3000 | RP2000 | RP1500 | RP1000 | RP100 |
|---|---|---|---|---|---|
| Outlet measurement | X | | X | | |
| Outlet Switch ON/OFF | X | X | | | |
| Latching Relay | X | X | | | |
| SNMP hardware | X | X | X | X | |
| Strip level measurement | X | X | X | X | X |

## Standard Product **110 V Units**

| Catalog Number | RackPower Series | Load Rating (Amp) | Voltage VAC | Receptacle Quantity | Receptacle Style | Power Cord Plug | Mounting Style | Length in./mm | Width in./mm | Height in./mm |
|---|---|---|---|---|---|---|---|---|---|---|
| RPP110R20AP110 | Basic | 20 | 110 | 10 | NEMA 5-20R | L5-20P plug | Horizontal | 5<br>120 | 17<br>437.5 | 2<br>44.5 |
| RPP110R30AP110 | Basic | 30 | 110 | 10 | NEMA 5-20R | L5-30P plug | Horizontal | 5<br>120 | 17<br>437.5 | 2<br>44.5 |
| RPP110P20AP124 | Basic | 20 | 110 | 24 | NEMA 5-20R | L5-20P plug | Vertical | 43<br>1100 | 2<br>54 | 3<br>80 |
| RPP110P30AP124 | Basic | 30 | 110 | 24 | NEMA 5-20R | L5-30P plug | Vertical | 43<br>1100 | 2<br>54 | 3<br>80 |
| RP20110P20AP124 | RP2000 | 20 | 110 | 24 | NEMA 5-20R | L5-20P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |
| RP20110P30AP124 | RP2000 | 30 | 110 | 24 | NEMA 5-20R | L5-30P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |
| RP10110P20AP124 | RP1000 | 20 | 110 | 24 | NEMA 5-20R | L5-20P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |
| RP10110P30AP124 | RP1000 | 30 | 110 | 24 | NEMA 5-20R | L5-30P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |

## Standard Product **208V Units**

| Catalog Number | RackPower Series | Load Rating (Amp) | Voltage VAC | Receptacle Quantity | Receptacle Style | Power Cord Plug | Mounting Style | Length in./mm | Width in./mm | Height in./mm |
|---|---|---|---|---|---|---|---|---|---|---|
| RPP208R30AP110 | Basic | 30 | 208 | 10 | C13 | L6-30P plug | Horizontal | 5<br>120 | 17<br>437.5 | 2<br>54 |
| RPP208R20AP112 | Basic | 20 | 208 | 12 | C13 | L6-20P plug | Horizontal | 5<br>120 | 17<br>437.5 | 2<br>54 |
| RPP208R20AP114 | Basic | 20 | 208 | 14 | 12x C13, 2x C19 | L6-20P plug | Horizontal | 19<br>478 | 1.75<br>45 | 5<br>120 |
| RPP208P20AP124 | Basic | 20 | 208 | 24 | 20x C13, 4x C19 | L6-20P plug | Vertical | 43<br>1100 | 2<br>54 | 3<br>80 |
| RPP208P30AP124 | Basic | 30 | 208 | 24 | 20x C13, 4x C19 | L6-30P plug | Vertical | 43<br>1100 | 2<br>54 | 3<br>80 |
| RP10208P30AP142 | RP1000 | 30 | 208 | 42 | 36x C13, 6x C19 | L6-30P plug | Vertical | 68<br>1725 | 2<br>54 | 3<br>80 |
| RP10208P30AP136B | RP1000 | 30 | 208 | 36 | 30x C13, 6x C19 | L6-30P plug | Vertical | 68<br>1725 | 2<br>54 | 3<br>80 |
| RP10208H30AP112B | RP1000 | 30 | 208 | 12 | 12x C13 | L6-30P plug | Vertical | 5<br>120 | 17<br>437.5 | 2<br>54 |
| RP15208P30AP124 | RP1500 | 30 | 208 | 24 | 21x C13, 3x C19 | L6-30P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |
| RP20P208P20AP124 | RP2000 | 20 | 208 | 24 | 21x C13, 3x C19 | L6-30P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |
| RP20P208P30AP124 | RP2000 | 30 | 208 | 24 | 21x C13, 3x C19 | L6-20P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |
| RP30208P20AP124 | RP3000 | 20 | 208 | 24 | 21x C13, 3x C19 | L6-20P plug | Vertical | 53<br>1350 | 2<br>54 | 3<br>80 |

## Standard Product **Multiphase 208V Units**

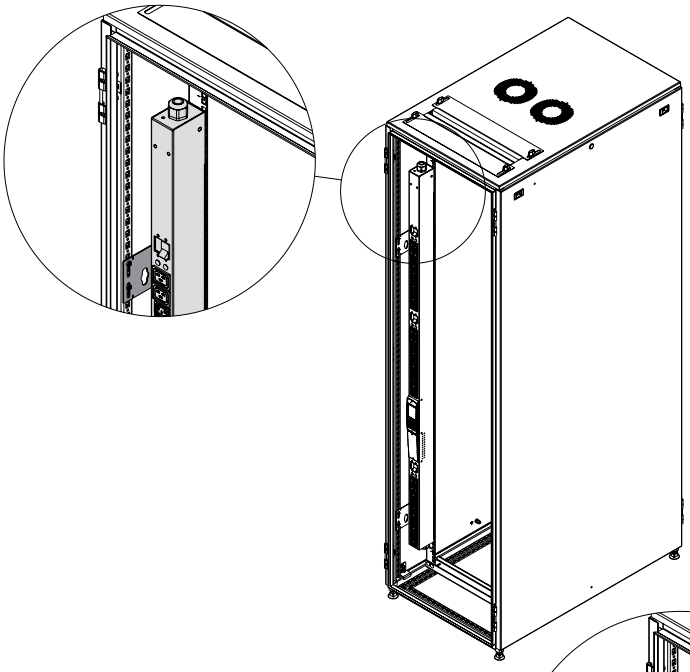
| Catalog Number | RackPower Series | Load Rating (Amp) | Voltage VAC | Receptacle Quantity | Receptacle Style | Power Cord Plug | Mounting Style | Length in./mm | Width in./mm | Height in./mm |
|---|---|---|---|---|---|---|---|---|---|---|
| RP10208P50AP342 | RP1000 | 50 | 208 | 42 | 36x C13, 6x C19 | CS8365C | Vertical | 71<br>1800 | 3<br>80 | 4<br>90 |
| RP10208P30AP327B | RP1000 | 30 | 208 | 27 | 21x C13, 6x C19 | L21-30P | Vertical | 67<br>1700 | 2<br>54 | 3<br>80 |
| RP10208P60AP318B | RP1000 | 60 | 208 | 18 | 6x C13, 12x C19 | IEC 60309 60A, 3P+E 9h Blue Plug | Vertical | 67<br>1700 | 2.4<br>60 | 3.5<br>90 |
| RP10208P30AP342B | RP1000 | 30 | 208 | 42 | 36xC13, 6x C19 | L21-30P | Vertical | 68<br>1725 | 2<br>54 | 3<br>80 |
| RP10208P60AP342B | RP1000 | 60 | 208 | 42 | 36xC13, 6x C19 | IEC 60309 60A, 3P+E 9h Blue Plug | Vertical | 71<br>1800 | 3<br>80 | 4<br>102 |
| RP15208P30AP324 | RP1500 | 30 | 208 | 24 | 21x C13, 3x C19 | L2130P | Vertical | 67<br>1700 | 2<br>54 | 3<br>80 |
| RP20P208P20AP324 | RP2000 | 20 | 208 | 24 | 21x C13, 3x C19 | L2120P | Vertical | 69<br>1750 | 2<br>54 | 3<br>80 |
| RP20P208P30AP324 | RP2000 | 30 | 208 | 24 | 21x C13, 3x C19 | L2130P | Vertical | 67<br>1700 | 2<br>54 | 3<br>80 |
| RP30208P20AP324 | RP3000 | 20 | 208 | 24 | 21x C13,3x C19 | L6-20P | Vertical | 67<br>1700 | 2<br>54 | 3<br>80 |
| RP30208P30AP324 | RP3000 | 30 | 208 | 24 | 21x C13,3x C19 | L2130P | Vertical | 67<br>1700 | 2<br>54 | 3<br>80 |

## PDU COMPONENT APPLICATION

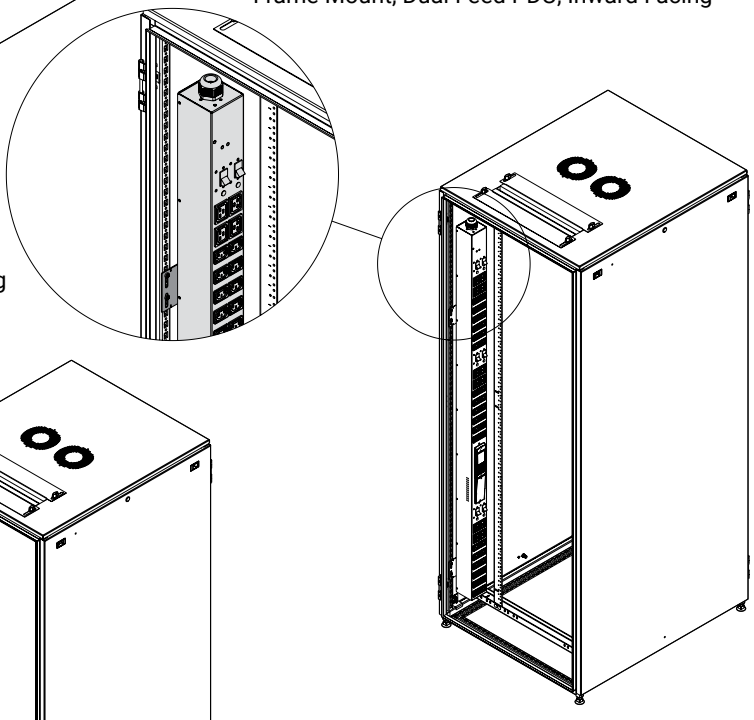
Remote sensors and displays, environmental monitors and smoke alarms help to build a system that fits the unique requirements of each individual installation.

### PDU Mounting Configurations

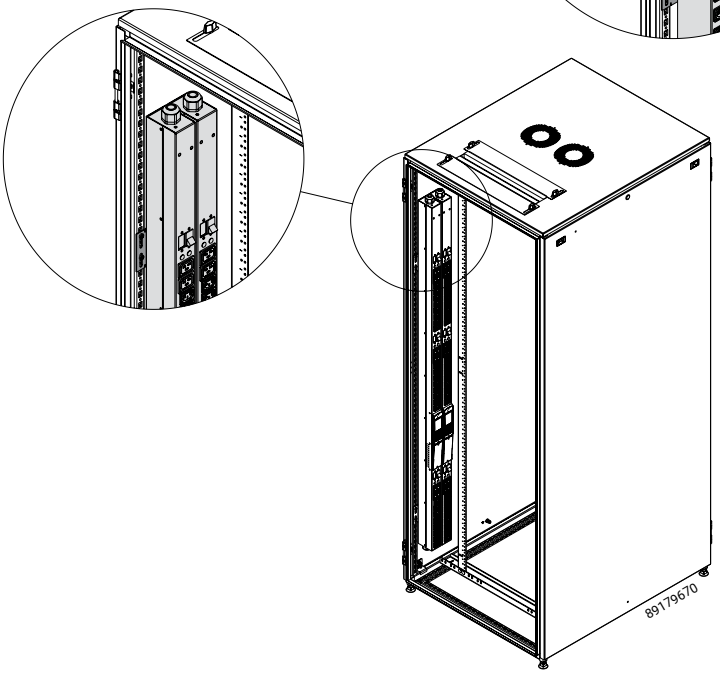
Frame Mount, Single PDU, Rear Facing



Frame Mount, Dual Feed PDU, Inward Facing

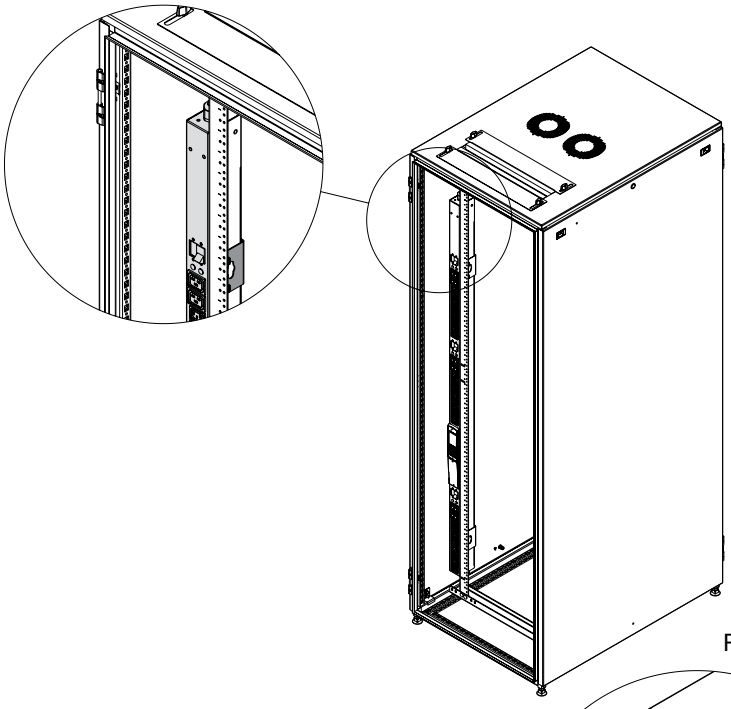


Frame Mount, Single or Dual PDUs, Inward Facing

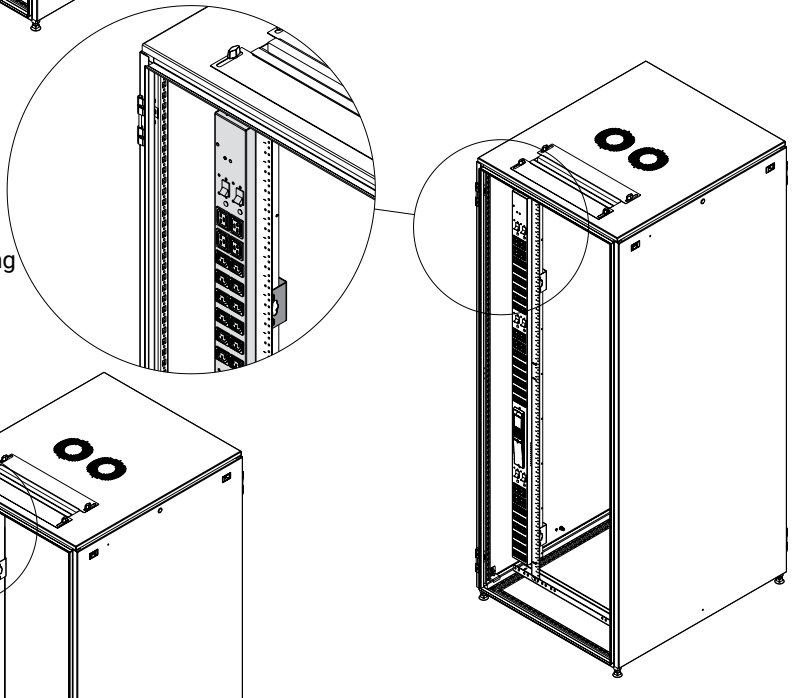


## PDU Mounting Configurations

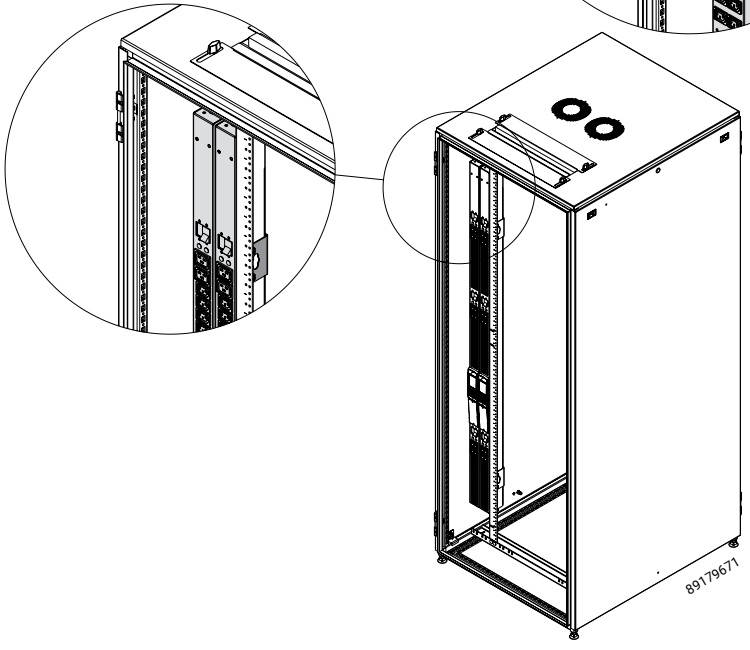
Flush Rack Angle Mount, Single PDU, Rear Facing



Flush Rack Angle Mount, Dual Feed PDU, Rear Facing



Flush Rack Angle Mount, Dual PDUs, Rear Facing



## RACKPOWER IP GATEWAY

### APPLICATION

RackPower IP Gateway is used for vertical and horizontal PDUs. It has a patented design that is hot pluggable for easy integration. It allows IP remote access to the PDUs by a single network IP. One IP Gateway supports a maximum of 32 PDUs in a daisy chain. Highly cost effective method to access the intelligent PDUs. SNMP capability v2 / v3. IP Gateway provides IP remote access to the PDUs by a single network IP address chain. RPM-04 - RackPower Management Software available with purchase of IP Gateway.

### FEATURES

- Vertical Gateway provides Dual LAN failover, auto-negotiable 10/100 BaseT Ethernet and Gigabit Ethernet standard
- USB WiFi port for integration with additional wireless connection kit
- Hot pluggable for easy integration
- Available for both Vertical and Horizontal PDUs
- Allows IP remote access to the PDUs by a single network IP
- One IP Gateway supports a maximum of 32 PDUs in a daisy chain
- Highly cost effective method to access the intelligent PDUs
- SNMP capability v2 / v3
- Manage your PDUs through our free RPM-04 software or through a 3rd Party DCIM via SNMP
- RPM-04 software available as a free download after purchase

### BULLETIN: DPDU

**RackPower IP Gateway**

| Catalog Number | Description |
|---|---|
| **NPDH** | IP Gateway for 1U iPDU |
| **NPDV03** | IP Gateway for 0U or 2U iPDU |
| **NPDV03WK** | IP Gateway WiFi kit used with NPDV03 |

## RACKPOWER TEMPERATURE AND HUMIDITY SENSORS

### APPLICATION

External sensors have low profile design with magnetic base for easy affixing to the cabinet. Pair of sensors can be connected to one single PDU meter of the RP3000, RP2000, RP1500 and RP1000 series. Plug and play style. Temperature sensors or temperature and humidity sensors are low profile design with magnetic base for easy installation to rack.

### FEATURES

- External sensors include 2M (78.74 in.) cords
- Plug and Play
- Low profile design with magnetic base for easy affixing to the cabinet
- Pair of sensors can be connected to one single PDU meter

RackPower Temperature and Humidity Sensors

| Catalog Number | Description |
|---|---|
| **NPS1** | Temperature Sensor includes 2M (78.74 in.) cable |
| **NPS2** | Temperature and Humidity Sensor includes 2M (78.74 in.) cable |

## DOOR-MOUNT PDU LCD DISPLAY

### APPLICATION

Door-Mount PDU LCD Display externally monitors the PDU metrics inside the cabinet without opening the door to physically review the PDU's metrics.

### FEATURES

- Saves time monitoring PDU metrics from outside the cabinet
- Prevents entering cabinet to monitor PDU metrics.
- Easy magnetic mounting installation
- No cabinet door cutout required
- Optional mounting screw kit included
- Display horizontally or vertically
- Plug-and-Play connectivity
- Resistive touch screen
- Smart and stylish design
- With corresponding PDU connected sensors, it monitors voltage, current, power, temperature, humidity and air flow

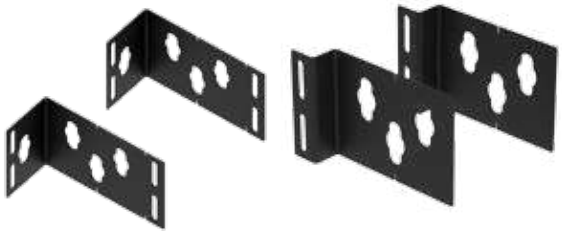
### SPECIFICATIONS

- 4.3-inch (109mm) display size
- 480 x 272 display resolution
- RJ-11 cables connection

**BULLETIN: DPDU**

| Catalog Number | Height mm/in. | Width in./mm | Depth in./mm | Display Type | Screen Size in./mm | Resolution |
|---|---|---|---|---|---|---|
| LCD4INDRMT | 5.24<br>133 | 3.54<br>90 | 0.67<br>17 | LCD | 4.3<br>109 | 480 x 272 |

## PDU MOUNTING BRACKET

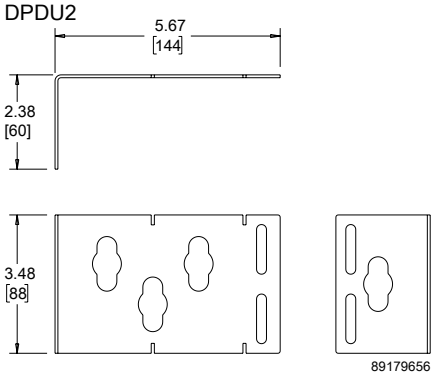


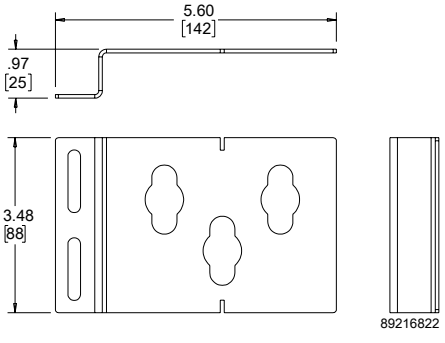
PDU mounting brackets allow PDUs to be installed to the cabinet frame or rack angles using many different configurations. Kit includes two brackets and mounting hardware.

**BULLETIN: DPDU**

| Catalog Number | Color | Color Code | Finish | Thickness (ga.) | Pkg Qty |
|---|---|---|---|---|---|
| DPDU2 | Jet Black | RAL 9005 | Powder Coated | 14 | 2 |
| DPDU3 | Jet Black | RAL 9005 | Powder Coated | 14 | 2 |

DPDU2




DPDU3