



**APC**<sup>™</sup>

# Smart-UPS Modular Ultra

The most sustainable Modular UPS of its kind

The most trusted UPS brand provides more power in a smaller size than ever with the agility to scale power or runtime.

Life Is On

**Schneider**  
Electric

# We invented the modular UPS, now we are reinventing it.



2.5x more scalable power protection in half the size with Lithium-ion batteries

The world's most popular UPS is now available with a compact, modular design and improved battery life. APC Smart-UPS Modular Ultra offers trusted, premium power protection to ensure network and data availability. Designed for local edge environments and row data centers, the Smart-UPS Modular Ultra provides consistent and reliable connectivity at the most critical moments. For the first time, scale up to 20kW of single-phase power protection in a smaller, lighter and more powerful modular UPS in a rack mount or standalone tower solution. More scalable power in less space enables you to adapt fast and scale as your business grows. Increased UPS battery life and fewer maintenance service costs provide a lower total cost of ownership over 10 years.

That's Certainty in a Connected World.

# The most sustainable modular UPS of its kind

Best-in-class embedded carbon reduction, agile power & runtime scaling



**50% smaller, 60% lighter, 2.5x more power**  
Next-gen semiconductor technology gives this UPS 2.5x more power in half the size.

**Redundant displays**  
Touchscreen display with Start-up wizard, access to status and configuration menus & data, including serial number. One-line diagram with UPS status when display is in power saving mode.

**Modular, scalable & redundant**  
Smart-UPS Modular Ultra features more redundancy: power, battery, displays and intelligence modules.

**LED status indicators**  
At-a-glance UPS and module status.

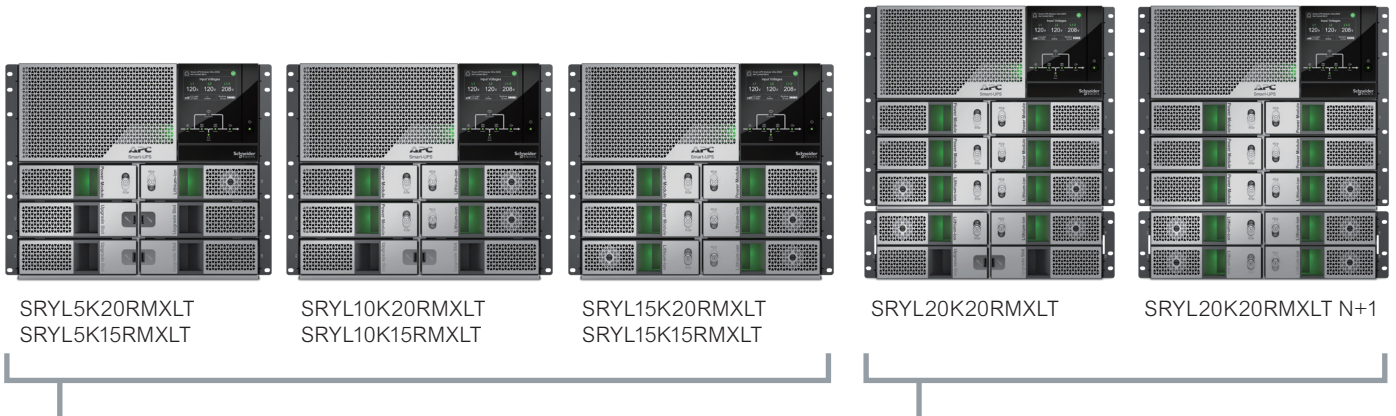
**Universal Bays**  
Module Bays within the 9U UPS chassis allow you to add power or battery modules based on your current needs.

**EcoStruxure Ready**  
Connect to EcoStruxure™ IT via the embedded network port.

**3x the battery life**  
Lithium-ion batteries last 8-10 years (3x VRLA), reducing Total Cost of Ownership.

# Why choose a modular UPS?

The modular design allows you to scale power, runtime or redundancy



5kW scalable to 15kW or 10kW N+1

Based on our most popular modular UPS

- 100A input AC Tray is backwards compatible with Symmetra LX wiring
- 9U height scales up to 15kW without changing your UPS footprint

Scalable to 20kW N+1

Up to 20kW of single phase power protection

- 125A input AC Tray scales up to 20kW power protection in a single phase UPS
- 9U height up to 15kW, 12U height for 20kW
- 3U height external battery chassis included with SRYL20K20RMXL

Service the UPS while maintaining the IT load

Service bypass unit

- When installed on top of the UPS, the service bypass unit allows utility power to bypass the UPS
- Lock out tag out feature to prevent unintended bypass of the UPS



SRYLSBP20KP

# Which modular UPS for the application?



## Smart-UPS Modular Ultra Rackmount

Incorporate the Smart-UPS Modular Ultra into a rack for an integrated solution with 2.5x more power in half the size for more U-space. The unit fits into standard racks for an organized deployment of equipment and a smooth installation.



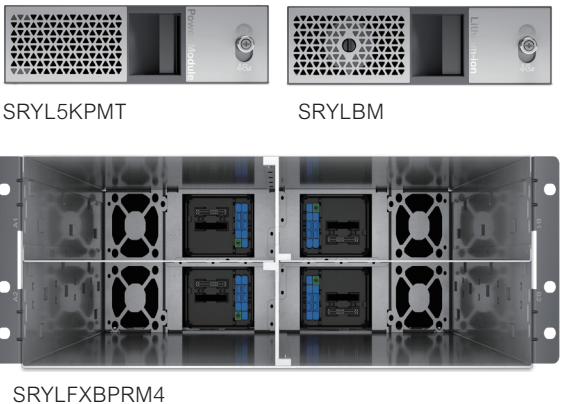
## Smart-UPS Modular Ultra Tower

Get more out of your standalone UPS with the Smart-UPS Modular Ultra tower providing 2.5x more power protection and available U-space. This unit has a flexible installation to accommodate power needs where necessary.

# Designed for Certainty in a Connected World

## More power, more runtime or both Scalable to 20kW N+1 (20RMXLT)

- The universal bays of the UPS allows for either power or battery modules in each slot.
- Gain more resiliency by adding redundant power or battery modules
- Each external battery chassis has 4 battery module bays.
- Supports up to 6 battery chassis with 4 battery modules each
- The UPS requires a 1:1 battery module to power module ratio. A fully populated 15kW UPS will need 3:3, a 20kW UPS 4:4 and a 20kW N+1 system 5:5.
- The UPS system can support more battery modules than power modules.



### Runtime estimates

| Half/Full Loads      | 2500/5000W        | 5000/10,000W   | 7,500/15,000W    | 10,000/20,000W   |
|----------------------|-------------------|----------------|------------------|------------------|
| Minimum batteries    | (1) 12.4/5.6 min  | (2) 12/5.6 min | (3) 12.7/5.7 min | (4) 12.4/5.5 min |
| Minimum batteries +1 | (2) 24.1/11.5 min | (3) 19.1/9 min | (4) 16.4/7 min   | (5) 14.8/6.9 min |

# Designed for ease of use



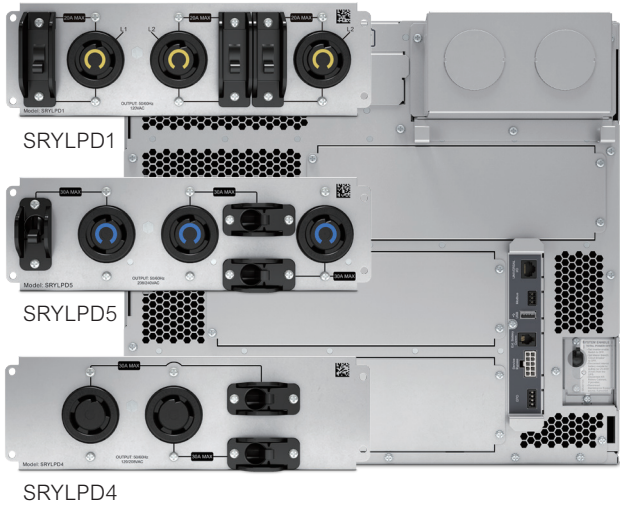
## At-a-glance status

Colored LEDs and a touchscreen display provide instant UPS, power or battery module status.



## User Selectable PDUs

Smart-UPS Modular Ultra allows you to hardwire your power protection or choose the Power Distribution Units (PDUs) that match your IT needs.



# Smart-UPS software & services



## EcoStruxure IT SmartConnect

### Out-of-box remote UPS power monitoring

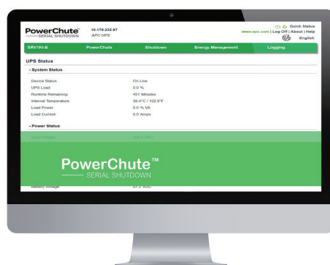
Out-of-box remote power monitoring, diagnostics, UPS firmware upgrades, and email notifications for APC Smart-UPS via SmartConnect Ethernet Port.



## EcoCare for Single Phase UPS

### Unlock exclusive support provided by an EcoCare membership

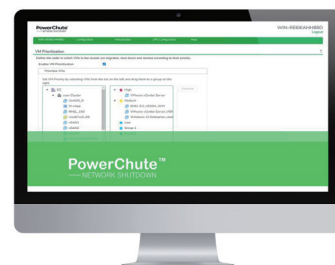
Unlock exclusive support with an EcoCare membership. Get access to mySchneider, Field Services experts and more to help improve your business efficiency.



## PowerChute Serial Shutdown

### UPS manageability at your fingertips

UPS management, graceful shutdown, and energy management software for computers, and servers using dedicated serial or USB connections.



## PowerChute™ Network Shutdown

### Power protection for server and hyper-converged infrastructures

APC PowerChute is a UPS management software enabling graceful system shutdowns and start-up of your IT infrastructure, and providing energy management capabilities.

# Smart-UPS Modular Ultra accessories

## UPS management accessories

- AP9834: APC USB Wi-Fi Device
- AP9810: dry contact I/O accessory
- AP9335T & AP9335TH: sensor
- SRYLFSU1: APC Smart-UPS Modular Ultra UPS Communication Card
- SRYLFSU2: APC Smart-UPS Modular Ultra XBP Communication Card



AP9834

## User Selectable PDUs

- SRYLPD1: APC Backplate Kit with 3x NEMA L5-20R Outlets for Smart-UPS Modular Ultra
- SRYLPD2: APC Backplate Kit with 6x NEMA 5-20R Outlets for Smart-UPS Modular Ultra
- SRYLPD3: APC Backplate Kit with 3x NEMA L5-30R Outlets for Smart-UPS Modular Ultra
- SRYLPD4: APC Backplate Kit with 2x NEMA L14-30R for Smart-UPS Modular Ultra SRYL
- SRYLPD5: APC Backplate Kit with 3x NEMA L6-30R Outlets for Smart-UPS Modular Ultra
- SRYLPD7: APC Backplate Kit with 3x NEMA L6-20R Outlets for Smart-UPS Modular Ultra
- SRYLPD0: APC PDU Blanking Panel rear for Smart-UPS Modular Ultra



SRYLPD1



SRYLPD4



SRYLPD5

## UPS accessories

- SRYLSBP20KP: APC Smart-UPS Modular Ultra Service Bypass Unit
- SRYL5KPMT: APC Smart-UPS Modular Ultra 5kW/5kVA Power Module 208V
- SRYLBM: APC Smart-UPS Modular Ultra Lithium-ion Battery Module for Extended Runtime Options
- SRYLRMXBP: APC Smart-UPS Modular Ultra External Battery Pack with 4 Battery Modules Rackmount
- SRYLFXBPRM4: APC Smart-UPS Modular Ultra External Battery Frame Rackmount, holds 4 battery modules
- SRYLIM: APC Smart-UPS Modular Ultra Intelligence Module Replacement
- SRYLF15KRMT: APC Smart-UPS Modular Ultra UPS Frame 9U (no power or battery modules), Scalable to 15kW N+1 Redundant Rackmount 208/120V
- SRYLF20KRMT: APC Smart-UPS Modular Ultra UPS Frame and Battery Chassis 11U (no power or battery modules), Scalable to 20kW N+1 Redundant Rackmount 208/120V
- SRYLFSU6A: 125A APC Smart-UPS Modular Ultra AC Tray
- SRYLFSU6B: 100A APC Smart-UPS Modular Ultra AC Tray
- SRYLFSU7: 125A Input/Output wiring tray
- SRYLOPT1: APC Smart-UPS Modular Ultra 4 Post UPS Rail Kit
- SRYLOPT2: APC Smart-UPS Modular Ultra 2 Post UPS Rail Kit
- SRYLOPT3: APC Smart-UPS Modular Ultra 4 Post XBP Rail Kit
- SRYLOPT5: APC Smart-UPS Modular Ultra 2 Post XBP Rail Kit
- SRYLOPT8: APC Smart-UPS Modular Ultra 8 Ft. Battery Cable Ext. for External Battery Pack



SRYLSBP20KP



SRYLRMXBP



SRYLF15KRMT

# Smart-UPS Modular Ultra



## SKU technical specifications

|                                         | Smart-UPS Modular Ultra rackmount, scalable to 5-20kW                                                                                                         |                     |                      |                        |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|------------------------|
| Topology                                | On-Line                                                                                                                                                       |                     |                      |                        |
| Output                                  |                                                                                                                                                               |                     |                      |                        |
| Output power capacity                   | 5kVA/5kW                                                                                                                                                      | 10kVA/10kW          | 15kVA/15kW           | 20kVA/20kW             |
| Nominal output voltage                  | 120V / 208V, 120V / 240V                                                                                                                                      |                     |                      |                        |
| Output voltage distortion               | 0.5% - full linear load                                                                                                                                       |                     |                      |                        |
| Output frequency                        | 50Hz / 60Hz ± 3Hz (Auto Sense), 50Hz / 60Hz ± 0.1Hz User Selectable, 50Hz / 60Hz ± 3Hz User Selectable                                                        |                     |                      |                        |
| Waveform type                           | Sine Wave                                                                                                                                                     |                     |                      |                        |
| Output connections                      | Hard wire 4-wire (2P + N + E), Optional User Selectable PDUs                                                                                                  |                     |                      |                        |
| Efficiency green mode                   | up to 97%                                                                                                                                                     |                     |                      |                        |
| Input                                   |                                                                                                                                                               |                     |                      |                        |
| Nominal input voltage                   | 120V / 208V, 120V / 240V                                                                                                                                      |                     |                      |                        |
| Input frequency                         | 40Hz - 70Hz Auto-Sensing                                                                                                                                      |                     |                      |                        |
| Input connections                       | Hard wire 4-wire (2P + N + E)                                                                                                                                 |                     |                      |                        |
| Input voltage range for main operations | 95V - 150V /165V - 260V                                                                                                                                       |                     |                      |                        |
| Batteries and runtime                   |                                                                                                                                                               |                     |                      |                        |
| Battery type                            | Lithium-ion                                                                                                                                                   |                     |                      |                        |
| Runtime (full load/ half load)          | visit <a href="https://apc.com">apc.com</a> for runtime information                                                                                           |                     |                      |                        |
| External battery                        | Yes - connect up to 6 battery frames, each with 4 SRLYBM battery modules                                                                                      |                     |                      |                        |
| Communications and management           |                                                                                                                                                               |                     |                      |                        |
| Interface port(s)                       | Ethernet, Universal I/O, Smart Slot, Modbus, EPO, USB Host x 2                                                                                                |                     |                      |                        |
| Network management                      | Network Management Card Embedded                                                                                                                              |                     |                      |                        |
| Dlsplay                                 | Multicolor high resolution Capacitive LCD Touchscreen, One-line diagram, On/Off Button                                                                        |                     |                      |                        |
| Physical                                |                                                                                                                                                               |                     |                      |                        |
| Maximum HxWxD                           | UPS Frame 9U 390mm (15.4in) x 440mm (17.4in) x 700mm (28in)<br>UPS Frame 9U + Battery Chassis 3U 520mm (20.5in) x 440mm (17.4in) x 740mm (29.2in)             |                     |                      |                        |
| Net weight                              | 5kW 160lb (72.5kg)                                                                                                                                            | 10kW 202lb (91.5kg) | 15kW 244lb (110.5kg) | 20kW 327.4lb (148.5kg) |
| Environmental                           |                                                                                                                                                               |                     |                      |                        |
| Operating environment                   | 32 – 104 °F (0 – 40 °C)                                                                                                                                       |                     |                      |                        |
| Operating elevation                     | 0-10000 feet (0-3000 meters)                                                                                                                                  |                     |                      |                        |
| Storage temperature                     | 5 – 113 °F (-15 – 45 °C) short term storage                                                                                                                   |                     |                      |                        |
| Storage relative humidity               | 0 – 95%, non-condensing                                                                                                                                       |                     |                      |                        |
| Storage elevation                       | 0-50000 feet (0-15000 meters)                                                                                                                                 |                     |                      |                        |
| Conformance                             |                                                                                                                                                               |                     |                      |                        |
| Regulatory approvals                    | UPS: CUL listed UL1778, FCC Part 15 subpart B Class A<br>Battery Pack : CUL recognized UL1973 and IEC 60730, UN38.3, FCC Part 15 subpart B class A, PSE, UKCA |                     |                      |                        |
| Standard warranty                       | 5-Year UPS and batteries                                                                                                                                      |                     |                      |                        |

# Smart-UPS Modular Ultra Tower



## SKU technical specifications

|                                         | Smart-UPS Modular Ultra tower, scalable to 5-20kW                                                                                                             |                                                  |                                                  |            |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------|
| Topology                                | On-Line                                                                                                                                                       |                                                  |                                                  |            |
| Output                                  |                                                                                                                                                               |                                                  |                                                  |            |
| Output power capacity                   | 5kVA/5kW                                                                                                                                                      | 10kVA/10kW                                       | 15kVA/15kW                                       | 20kVA/20kW |
| Nominal output voltage                  | 120V / 208V, 120V / 240V                                                                                                                                      |                                                  |                                                  |            |
| Output voltage distortion               | 0.5% - full linear load                                                                                                                                       |                                                  |                                                  |            |
| Output Frequency                        | 50/60 Hz ± 3 Hz (auto sense follow input AC frequency), 50 or 60 ± 1Hz (battery mode)                                                                         |                                                  |                                                  |            |
| Waveform Type                           | Sine Wave                                                                                                                                                     |                                                  |                                                  |            |
| Output Connections                      | Hard wire 4-wire (2P + N + E), Optional User Selectable PDUs                                                                                                  |                                                  |                                                  |            |
| Efficiency green mode                   | up to 97%                                                                                                                                                     |                                                  |                                                  |            |
| Input                                   |                                                                                                                                                               |                                                  |                                                  |            |
| Nominal input voltage                   | 120V / 208V, 120V / 240V                                                                                                                                      |                                                  |                                                  |            |
| Input frequency                         | 40Hz - 70Hz Auto-Sensing                                                                                                                                      |                                                  |                                                  |            |
| Input connections                       | Hard wire 4-wire (2P + N + E)                                                                                                                                 |                                                  |                                                  |            |
| Input voltage range for main operations | 95V - 150V /165V - 260V                                                                                                                                       |                                                  |                                                  |            |
| Batteries and runtime                   |                                                                                                                                                               |                                                  |                                                  |            |
| Battery type                            | Lithium-ion                                                                                                                                                   |                                                  |                                                  |            |
| Runtime (full load/ half load)          | visit apc.com for runtime information                                                                                                                         |                                                  |                                                  |            |
| External battery                        | Yes - connect up to 6 battery frames, each with 4 SRYLBM battery modules                                                                                      |                                                  |                                                  |            |
| Communications and management           |                                                                                                                                                               |                                                  |                                                  |            |
| Interface port(s)                       | Ethernet, Universal I/O, Smart Slot, Modbus, EPO, USB Host x 2                                                                                                |                                                  |                                                  |            |
| Network management                      | Network Management Card Embedded                                                                                                                              |                                                  |                                                  |            |
| Display                                 | Multicolor high resolution touch screen LCD, On/Off button                                                                                                    |                                                  |                                                  |            |
| Physical                                |                                                                                                                                                               |                                                  |                                                  |            |
| Tower 18U HxWxD                         | 942mm x 600mm x 900mm                                                                                                                                         |                                                  |                                                  |            |
| Tower 24U HxWxD                         | 1198mm x 600mm x 900mm                                                                                                                                        |                                                  |                                                  |            |
| Tower 18U net weight                    | 184kg (SRYL5K20XLT18)<br>163kg (SRYL5K15XLT18)                                                                                                                | 204kg (SRYL10K20XLT18)<br>183kg (SRYL10K15XLT18) | 223kg (SRYL15K20XLT18)<br>202kg (SRYL15K15XLT18) | 242kg      |
| Tower 24U net weight                    | 195kg (SRYL5K20XLT18)<br>175kg (SRYL5K15XLT18)                                                                                                                | 215kg (SRYL10K20XLT18)<br>194kg (SRYL10K15XLT18) | 234kg (SRYL15K20XLT18)<br>213kg (SRYL15K15XLT18) | 253kg      |
| Environmental                           |                                                                                                                                                               |                                                  |                                                  |            |
| Operating environment                   | 32 – 104 °F (0 – 40 °C)                                                                                                                                       |                                                  |                                                  |            |
| Operating elevation                     | 0-10000 feet (0-3000 meters)                                                                                                                                  |                                                  |                                                  |            |
| Storage temperature                     | 5 – 113 °F (-15 – 45 °C) short term storage                                                                                                                   |                                                  |                                                  |            |
| Storage relative humidity               | 0 – 95%, non-condensing                                                                                                                                       |                                                  |                                                  |            |
| Storage elevation                       | 0-50000 feet (0-15000 meters)                                                                                                                                 |                                                  |                                                  |            |
| Conformance                             |                                                                                                                                                               |                                                  |                                                  |            |
| Regulatory approvals                    | UPS: CUL listed UL1778, FCC Part 15 subpart B Class A<br>Battery Pack : CUL recognized UL1973 and IEC 60730, UN38.3, FCC Part 15 subpart B class A, PSE, UKCA |                                                  |                                                  |            |
| Standard warranty                       | 5-Year UPS and batteries                                                                                                                                      |                                                  |                                                  |            |

Life Is On

