

## XTREME POWER CONVERSION J90 // APC SMT1500RM1UC COMPARISON

The Xtreme Power J90 and APC SMT1500RM1UC are both 1U rackmount UPS systems for edge, IT, and network use. However, the J90 offers key advantages in battery tech, runtime, size, and compliance—making it a next-gen solution for modern power needs.



### 1.5kVA UPS COMPARISON

|                                       | Xtreme Power J90 Online Lithium-ion UPS                               | APC SMT1500RM1UC VRLA UPS        | J90 Advantage   |
|---------------------------------------|---|----------------------------------|---|
| Battery Chemistry                     | Lithium Iron Phosphate (LiFePO <sub>4</sub> ) with integrated BMS     | Valve-Regulated Lead Acid (VRLA) | Longer lifespan, More Runtime, Higher Temperatures, Less Space, Lighter Weight. |
| Capacity                              | 1500W/1350W   | 1500W/1000W                      | J90 UPS supports 35% more real power.   |
| Topology                              | Online Double Conversion  | Line Interactive                 | True online protection from all power anomalies.                                |
| Individually controllable receptacles | 4 Individually controllable receptacles (with Optional Web/SNMP Card) | None                             | Remote device reboot and scheduling enhances uptime.                            |
| Dimensions & Weight                   | 17.2" x 20" x 1.7" / 27.8 lbs   | 17" x 26.2 x 1.73" / 54 lbs      | Smaller and nearly half the weight—easier to install and manage.                |
| High Temperature Operation            | Up to 50°C (122°F)  | Up to 40°C (104°F)               | Better suited for hot, dense IT closets and harsh environments.                 |
| Battery Runtimes (full load)          | Up to 7 minutes   | Up to 5 minutes                  | Longer runtime in a more compact form factor.                                   |
| Battery Life                          | Up to 10 years  | 3-5 years                        | Less maintenance, fewer replacements, lower TCO.                                |
| TAA Compliant                         | Yes   | No                               | Eligible for federal and public sector projects.                                |
| Warranty                              | 6-years   | 3-years UPS / 2-year Battery     | Longer coverage and reduced lifetime maintenance cost.                          |