

# XTREME POWER CONVERSION **X90-2S** // VERTIV **EXM** COMPARISON

The Xtreme Power X90-2S and Vertiv EXM (100 kW) are modular three-phase UPS systems designed for critical infrastructure. Both provide online double-conversion protection and unity power factor, but differ in system integration, runtime delivery, footprint, and service model when configured with VRLA batteries.



## 100kW UPS COMPARISON

| Feature             | Xtreme Power X90-2S                          | Vertiv EXM (100 kW)                            | Engineering Impact                           |
|---------------------|--|--|--|
| Capacity            | 100 kVA / 100 kW                             | 100 kVA / 100 kW                               | Both provide full real power output          |
| Runtime             | 6 min @ 100 kW (internal batteries)          | 4 min @ 100 kW (1 × 23.6" VRLA cabinet)        | Longer runtime within single cabinet         |
| Maintenance Bypass  | Internal (standard)                          | Internal (optional) or external bypass cabinet | Standard inclusion vs optional configuration |
| System Architecture | Single-cabinet (battery + bypass integrated) | UPS + external battery cabinet                 | Reduced system complexity                    |
| Footprint           | 6.9 sq ft (23.6"W x 42"D x 79"H)             | 13.8 sq ft total (UPS + battery cabinet)       | Approximately 2× larger footprint            |
| Battery Design      | Modular internal battery system              | VRLA strings in external cabinet               | Simplified architecture                      |
| Battery Service     | Front-access modular replacement             | String-based maintenance                       | Faster, lower-risk service                   |
| Warranty            | 2-year on-site with startup                  | 1-year standard                                | Longer standard coverage                     |