

Scenario F

30-60 Racks – Medium Data Center Three Phase

This is an example of a recommended solution:

Specifications	Scenario F
Input Power	480 / 208V - 3 phase
Raised Floor	Optional
kW Range	72 - 144 kW
Racks	30 - 60
UPS	Liebert NX On-line
Power Distribution	
- Panelboards	Liebert FPC
- Power strips	Liebert MP Advanced Power Strips
- Maintenance Bypass	Included in UPS
Cooling	
- Room	Liebert DS
- High Density (Top of Rack)	Liebert XDV
- High Density (in-line)	Liebert XDH
- High Density Refrigerant Chiller	Liebert XDC
Monitoring	Liebert Nform
Server Shutdown	Liebert MultiLink
Surge Suppression	Liebert AccuVar

Solution:

As your application grows in size to 30 – 60 racks and heat densities rise to unmanageable levels, Liebert is able to deliver a customized solution that is optimized specifically for your needs. This system consists of racks, managed power strips, precision cooling, extreme density rack cooling, redundant uninterruptible power, power distribution, surge suppression, monitoring, server shutdown software, installation service and support – all pre-engineered as a single system to meet your critical data protection needs.

Use this suggested scenario to begin framing the protection that suits your needs. To configure a solution, contact your local Liebert representative or call 1-800-877-9222

Products:

- **Knurr Rack** – Lightweight, modular racks that offer 83% ventilation and simple add-on options.
- **Knurr Cable Management** – A full line of cable management accessories for effective control of any cabling requirements.
- **Liebert MP Advanced Power Strip** – Designed to distribute and manage power within the rack and meet the requirements of any rack-mounted IT equipment.
- **Liebert NX UPS** – A compact three-phase true on-line UPS that offers power-factor correction, frequency conversion, internal dynamic bypass, internal maintenance bypass switch, internal batteries, additional battery cabinets, intelligent local monitoring and remote communications.
- **Liebert NX Battery Cabinet** – Extended battery cabinets are also available for longer back-up times. The Extended Battery Cabinet is a modular cabinet that will hold a maximum of 12 battery modules with the same level of monitoring and control as the battery modules fitted in the UPS.
- **Liebert FPC Power Distribution** – A self-contained rack that provides power isolation, power distribution to the individual racks, IT equipment-grade grounding and local monitoring.
- **Liebert AccuVar Surge Suppressor** – Provides unparalleled protection from transient surges and electrical line noise.
- **Liebert DS Precision Cooling** – An active precision room cooling system providing a highly energy-efficient solution, including temperature, humidity, filtration and airflow.
- **Liebert XDC High Density Refrigerant Chiller** – Specifically designed to support the Liebert XDV and XDH high-density cooling system – circulates pumped refrigerant.
- **Liebert XDV High Density Cooling** – A flexible high-density spot and zone cooling system that mounts on the top of the rack, taking up zero floor space.
- **Liebert XDH High Density Cooling** – A flexible high-density cooling system that sits in-line with rack enclosures.
- **Liebert Nform Monitoring Software** – Network-based monitoring of alarm notifications from cooling and power equipment.
- **Liebert MultiLink Shutdown Software** – Automated shutdown software permits configurable responses to UPS status changes.
- **Installation & Support Services** – Utilize Liebert’s local expertise to assist in assembling turnkey installation services as well as world-class service contracts for all of Liebert’s power and cooling products.

Products in this Scenario:



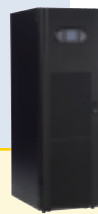
Knurr Racks



Cable Management



Liebert MP Advanced Power Strip



Liebert NX UPS



Liebert NX Paralleling Cabinet

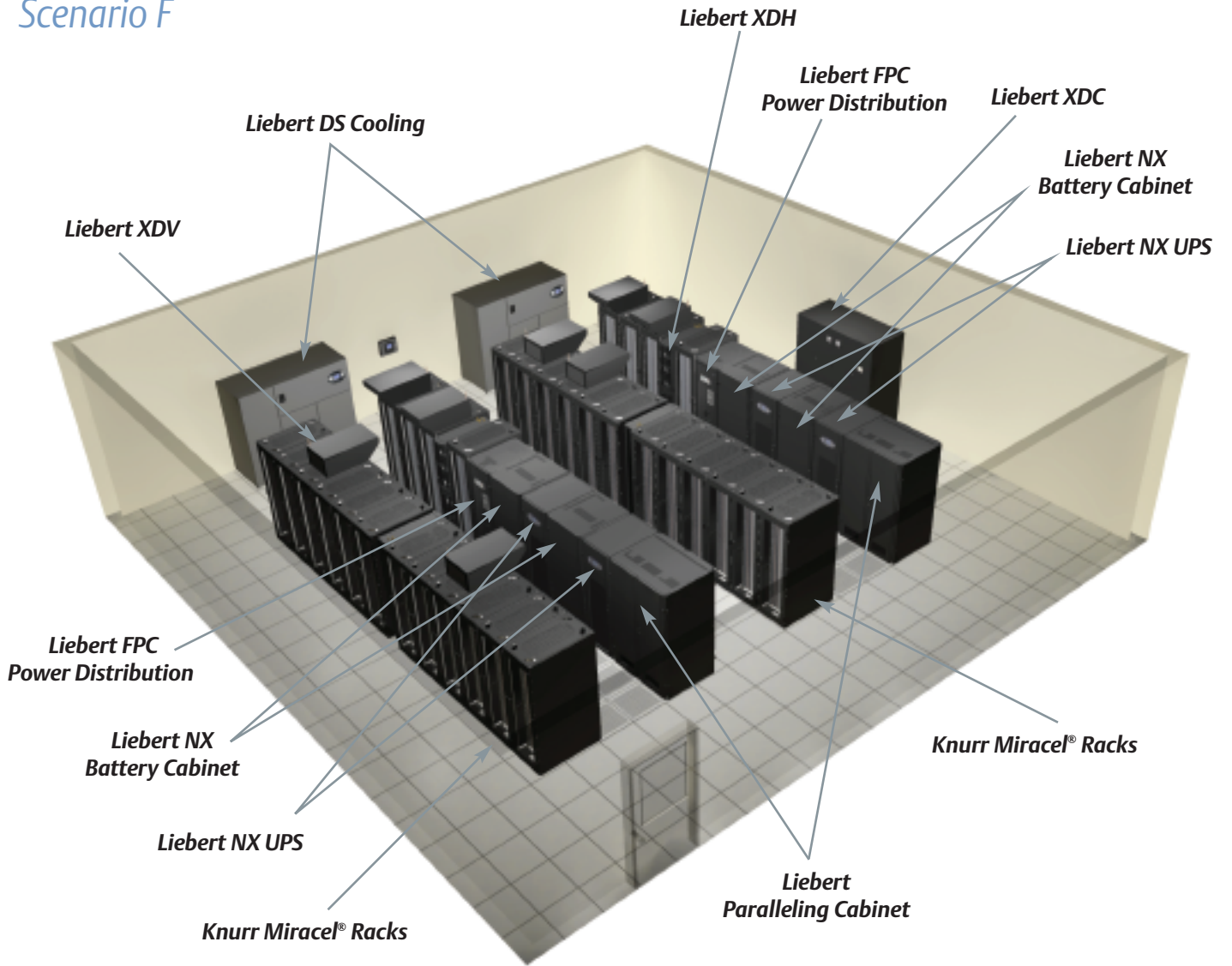


Liebert NX Battery Cabinet



Liebert FPC Power Distribution

Scenario F



Liebert AccuVar



Liebert DS Cooling



Liebert XDC



Liebert XDH



Liebert XDV



Liebert Monitoring & Shutdown



Installation, Support and Services