

Product Comparison

Spara EMS™

Spara EMS is an online predictive Energy Management System that allows commercial and industrial users to reduce utility costs through intelligent demand control, demand response, and energy efficiency without compromising production or building comfort. The system continuously monitors energy usage, then manages demand by prioritizing, optimizing, and controlling energy loads based on rules and parameters defined by the user.

Spara EMS™ Products

Each model features an intuitive graphical interface with an infinite number of customizable parameters, wireless communication technology, on-board and remote I/O for fast, flexible interfacing with facility equipment, and can be seamlessly integrated with existing control systems. All three products share the same technology platform so it is easy to upgrade your system to include additional features should your needs change in the future.



Spara EMS™ System Features	Standard: ●	Optional: ○	2200	3200	4200
Analog/Digital I/O	●		●	●	●
Embedded 4-port Ethernet Switch	●		●	●	●
RS232 and RS422/485 Ports	●		●	●	●
USB Port	●		●	●	●
On-board Wi-Fi Connection	●		●	●	●
On-board Web Server, XML Soap Interface	●		●	●	●
Multiple Utility Meter Interface	○		●	●	●
Multiple Demand Control/Demand Response Process Applications	○		○	○	●
Konnekt FHSS Wireless I/O Interface	○		○	○	○
Zigbee Wireless Communication Interface	○		○	○	○
Sub Metering for Energy Accounting or Power Quality	○		○	○	○
Web-based, Daily, Weekly, Monthly and Annual Energy Reports	●		●	●	●
Rate-customized Energy Reports	○		○	○	●
User-defined Customized Reports	○		○	○	○
Hosted Reporting Services (Basic)	○		○	●	●
Hosted Reporting Services (Advanced)	n/a		n/a	○	○
Load Status/Curtailment Reports	●		●	●	●
Web-based Savings Verification Report	●		●	●	●
Modbus TCP & Modbus RTU	●		●	●	●
Integration of 3rd-party Protocols (BacNet, Lonworks, Profibus, ControNet, etc...)	n/a		n/a	○	○
OPC Compliant	n/a		n/a	●	●
Standard Alarming Center	●		●	●	●
Pager/Email/Text Message Alarming & Event Notification	○		○	●	●
User-defined Alarming	n/a		n/a	○	○
Multi-level Password Protection	●		●	●	●

Product Comparison (continued)

Demand Management Standard: ● Optional: ○	2200	3200	4200
Demand Control / Demand Response	Demand Control or Demand Response	Demand Control and Demand Response	Demand Control and Demand Response
Analog Load Curtailment	●	●	●
Multiple TOU Rate Schedule Setpoints	○	●	●
Automated Adaptive Demand Setpoint	○	●	●
Fail Smart Logic on Loss of Communication or Utility Signal	○	○	●
Embedded Operator Intelligence™ load protection	●	●	●
Dynamic Load Prioritization	n/a	○	●
"Rolling" Curtailment	●	●	●
Fixed/Sliding Debit Period Calculations	●	●	●
Automatic DR Baseline Calculations per Rate Schedule	○	○	○
DR Measurement & Verification Reports	○	○	●
DC Measurement & Verification Reports	○	○	●
User-controlled DR	●	●	●
Auto-DR Enabled	○	●	●
DR Strategy Matrix	○	○	●
Real-time Pricing DR Trigger	○	○	●
Real-time Pricing Data Utility Interface	○	○	○
Variable Event Notice (24hr, 1hr, 10min., etc....)	○	●	●