

EDG²Easy^S Series



208V Single Phase, All-In-One Rack, E2S-6

The RakworX EDG²Easy^S All-In-One cabinet integrates ups power, rack power distribution, cooling, air containment, and monitoring into one solution. All components have been pre-installed and factory tested to ensure quality and performance. This solution provides robust protection in a compact room neutral design.

- ◆ Fast Deployment, Plug & Play
 - ◆ High Reliability, Predictable Uptime
 - ◆ High Efficiency, Energy-Saving
 - ◆ Remote Management
 - ◆ Outstanding Aesthetics
- Critical Edge Sites (no space here)
 - Office Buildings
 - Hospitals
 - Retail
 - Hospitality
 - Industrial
 - Remote Sites
 - Critical IDF's and MDF's

Specifications

Rack Size	42U 600mm(W) x 1400mm(D) x 2000mm(H)
Rack Frame	Aluminum Magnesium Alloy
Rack Front and Rear Door	Front door: tempered glass; Rear door: solid sheet metal
IT (U)	27U (Excluding Rack Mounted UPS System and Cooling Unit)
UPS Capacity	5.4kW
Max. Cooling Capacity	6kW

Power Distribution

Nominal Input Voltage	208 VAC, 1PH, 50/60 Hz
Maximum Input Current	50A System input: 208V Single Phase 2 hots, neutral, and ground. (50amp hard wire connection to power distribution panel input lugs) 230V International Optional
Power Distribution Panel	Rack mounted, 3U, input 50A, SPD class C, integrated UPS maintenance bypass (MBB)
PDU	Qty 2, 0U 208V Metered PDU, AP2000 or AP5000 Series (230V International Optional)
UPS	Input: 208V, 30A, L6-30 output : (30) C13 + (6) C19 per PDU 6kVA 4U rack mounted, 208V or 230V double online conversion, Modbus or SNMP communication
Battery	VRLA – Internal, hot swappable, sealed, maintenance free
Battery Time	10 min @ full load

Cooling

Cooling Type	8U rack mount DX cooling with overhead condensing unit
Cooling Capacity	6 kW
Operating Humidity	10% - 95%
Operating Temperature	15.6°C ~ 26.7°C (60.08°F~ 80.06°F)
Air Containment	Front and rear cold and hot aisle containment

Monitoring & Control System

DSCV Management System	Power, cooling & environment monitoring, PUE display, optional module for IT monitoring
HMI	10" tactile screen
Sensor	T/H & smoke sensor x 1, tactile electric lock x 2, leak sensor x 1
Emergency Cooling	Door opening + top fans
Serial Server	RS485, TCP/IP
Monitoring Data (parts)	Input voltage, currency, frequency, active power, harmonics measurement, on/off, cooling temperature, cooling operating status, temperature, humidity, smoke, leak & door
Alarm (parts)	Power failure alarm, over-voltage alarm, currency over loading alarm, on/off switching alarm, over heat alarm, leak alarm, smoke alarm
Remote Communication	MODUBUS/TCP standard, SNMP, HTTP

Operating Condition

Operating Condition	Elevation: 0 -1000m (0 ~ 3,280 ft.) Temperature: -15°C ~45°C (5°F~ 113°F) Humidity : 0-95% RH
Seismic	Optional Customized

Optional Module

E2S-600 Extension Rack	42U rack
E2S-600C Extension Rack	42U rack with cooling
Display	4" LCD display
Door Lock	Tactile electric lock
Door Access	Fingerprint or face-recognition
T/H, Smoke Sensor	Temperature, humidity, smoke sensor, RS485
Light	24V LED light tube, 300mm (on/off, series connection)
Rack Ambient Light	Multi-functional light, can be connected to management system to send alarm signal
Overhead Cable Trough	Power & Fiber Cable Tray

Compliant

EMC	EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3
Qualification	UL, TUV, EMC, CE, EN/IEC 60950-1
Environment	ROHS, WEEE

For more information

Please visit the website: www.rakworx.com

RakworX reserves the right to change the product specifications or other product information (including but not limited to product weight, appearance, size or other physical factors).

The information mentioned in this article is subject to change without prior notice, as a result of product upgrades or other causes. In this paper, the product images are subject to the product in kind.