SWITCHLOK

GATEVIEW TECHNOLOGIES

Improved visibility & control of outlets for critical applications

◉ Add Switching when or if needed and stop paying for switched outlets never used.

◉ Switching relay in-line with IT device cord for 3X greater PDU reliability*.

◉ Allows PDU to retain same slim profile and reliability as a monitored rPDU.

◉ Easily join PDUs for A/B switching

Individual Outlet Control

DELL R730, 39U, INSTALL: 4/10/20, BARNEY FOR DR18 GROUP

State:	Cycle:	Switch On:	kVAh:
Outlet On	Outlet Off-On	Delay (seconds) 4	Reset / CLEAR
Outlet remains in this state.	Turns outlet off and then on per switch delay.	Delay to restore power during reboot sequence.	Resets kVAh to zero for this outlet.

Patented switching technology

* mtechnologies independent study available

Advanced switching technology eliminates rPDU failures

Maintain reliability and flexibility. **PowerLOK Switched Ready Rack PDUs** have relays removed from the rPDU to keep rPDU reliability high and maintain a slim profile. Add rPDU switching cords only when and if needed.

Adding PDU Switching Cords to PowerLOK:
To join, simply depress PDU switching cord button for 2 seconds and release when green LED changes from fast to slow flashing. Select JOIN in the Manage SwitchLOK window of the software.
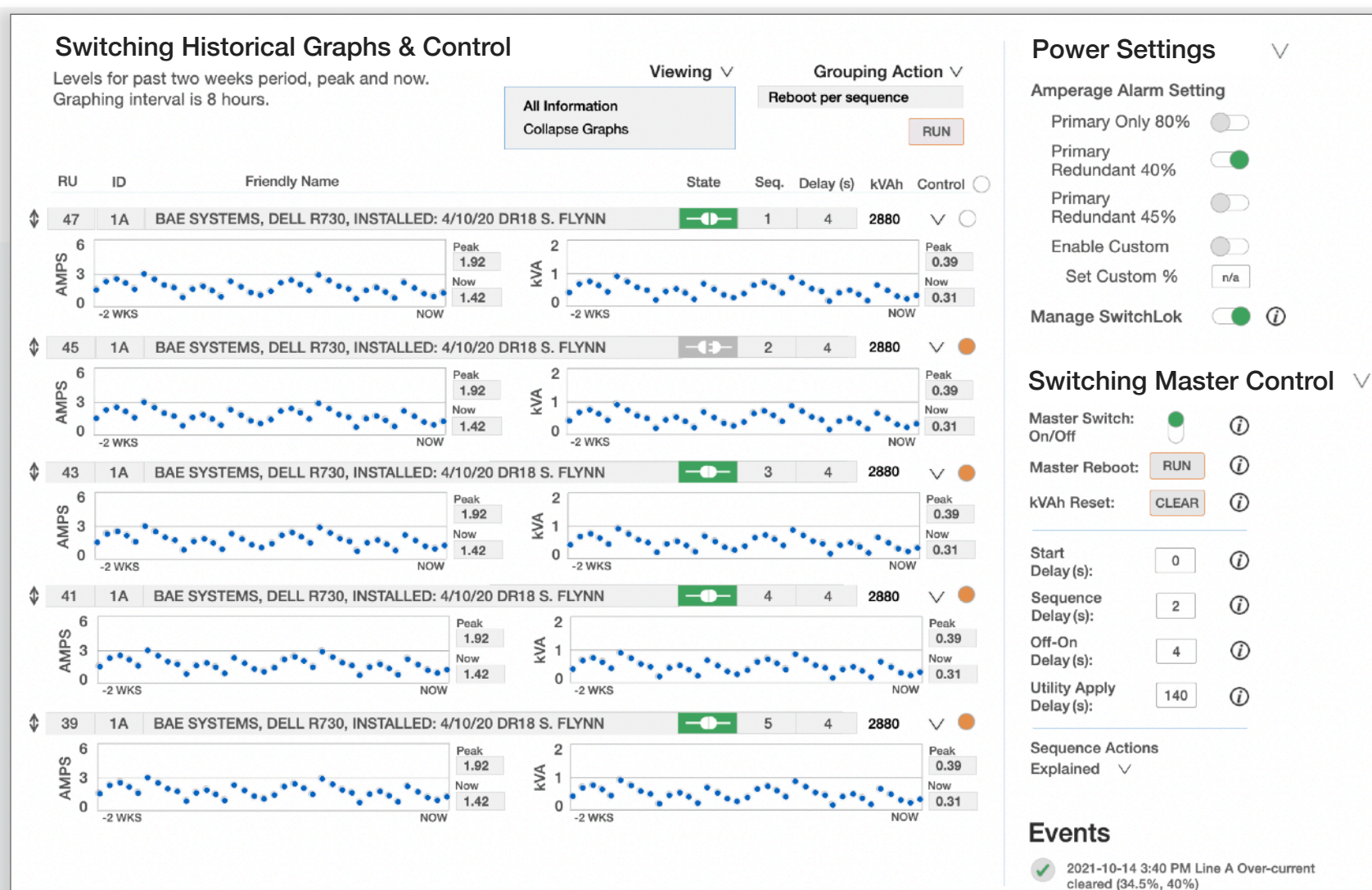
Naming & Settings:
Once joined, you can enter a friendly name. Settings are done individually or performed for all joined switching cords at once. Join PDU B to PDU A in Admin for dual AC fed servers.

Ease of Use:
Reboot, on and off sequencing actions are explained in the software. Select all or select individually the switching cords you desire to perform an action with, then select RUN.

Integrated Web Software

Switching Historical Graphs & Control

Levels for past two weeks period, peak and now.
Graphing interval is 8 hours.

Viewing ∨ — All Information / Collapse Graphs

Grouping Action ∨ — Reboot per sequence — RUN

RU	ID	Friendly Name	State	Seq.	Delay (s)	kVAh	Control
47	1A	BAE SYSTEMS, DELL R730, INSTALLED: 4/10/20 DR18 S. FLYNN	⬛	1	4	2880	∨ ○
45	1A	BAE SYSTEMS, DELL R730, INSTALLED: 4/10/20 DR18 S. FLYNN	⬜	2	4	2880	∨ 🟠
43	1A	BAE SYSTEMS, DELL R730, INSTALLED: 4/10/20 DR18 S. FLYNN	⬛	3	4	2880	∨ 🟠
41	1A	BAE SYSTEMS, DELL R730, INSTALLED: 4/10/20 DR18 S. FLYNN	⬛	4	4	2880	∨ 🟠
39	1A	BAE SYSTEMS, DELL R730, INSTALLED: 4/10/20 DR18 S. FLYNN	⬛	5	4	2880	∨ 🟠

For each row graph: AMPS 0–6, Peak 1.92, Now 1.42, -2 WKS to NOW; kVA 0–2, Peak 0.39, Now 0.31, -2 WKS to NOW

Power Settings ∨

Amperage Alarm Setting

Primary Only 80%	⚪
Primary Redundant 40%	🟢
Primary Redundant 45%	⚪
Enable Custom	⚪
Set Custom %	n/a

Manage SwitchLok 🟢 ⓘ

Switching Master Control ∨

Master Switch: On/Off	🟢 ⓘ
Master Reboot:	RUN ⓘ
kVAh Reset:	CLEAR ⓘ
Start Delay (s):	0 ⓘ
Sequence Delay (s):	2 ⓘ
Off-On Delay (s):	4 ⓘ
Utility Apply Delay (s):	140 ⓘ

Sequence Actions Explained ∨

Events

✓ 2021-10-14 3:40 PM Line A Over-current cleared (34.5%, 40%)

SWITCHLOK   **GATEVIEW** TECHNOLOGIES

DCW *Innovation Challenge 2024*
Finalist

Maintain rPDU reliability with each switching relay in cord versus 40+ relays in the rPDU.
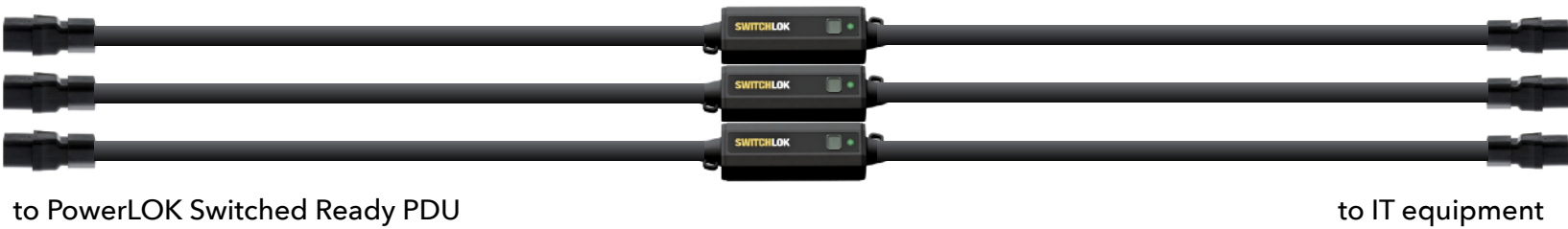
Build switching capability as you need it

SwitchLOK is scalable and the most reliable solution for today's switched PDU requirements. Add or remove switching cords to your Switched Ready PDU when needed.

Utilize a slim PDU profile

With switching integrated in the switching cords, PowerLOK Switched Ready PDUs have the same slim profile and high-receptacle density as monitored PDUs. SwitchLOK's small form includes a velcro slot and strap for ease of placement in the rack.

Switching Cords

to PowerLOK Switched Ready PDU   to IT equipment

Models

Model Number	Description	Power	Plug Type
SL5200SM	SWITCHLOK, OUTLET SWITCHING & METERING, 5-20R—5-20P, 5 FT	12A 120V MAX	5-20P to 5-20R
SL1300SM	SWITCHLOK, OUTLET SWITCHING & METERING, C13-C14, 5 FT	16A 250V MAX	C13 to C14
SL1900SM	SWITCHLOK, OUTLET SWITCHING & METERING, C19-C20, 5 FT	20A 250V MAX	C19 to C20

Additional length switching cords are available upon request.
Expect longer lead times metering only cords.

Switching Master Control

Master Switch: On/Off	(on) ⓘ
Master Reboot:	RUN ⓘ
kVAh Reset:	CLEAR ⓘ
Start Delay (s):	0 ⓘ
Sequence Delay (s):	2 ⓘ
Off-On Delay (s):	4 ⓘ
Utility Apply Delay (s):	140 ⓘ

Sequence Actions Explained ⌄

Specifications

POWER	12A 5-20R 120V, 16A C13 & 20A C20, 250V maximum
CORD LENGTH	5 FT
RELAY TYPE	Locking relay latch
UNIT SIZE	1.45" wide x 1.25" high x 4.25" long
COLOR	Carbon
MATERIAL	High impact ABS
CONNECTIVTY	Bonded TTL-UART Wi-Fi 802.11 @ 2.4 GHz
BUS	GVBus 4.10, Gateview Technologies proprietary bus protocol
WEIGHT	0.74 LBS
OPERATING ENVIRONMENT	0-60C (32-140F), 5-95% Relative Humidity, 0-10,000ft (0-3000 meters) Elevation.
PRODUCT WARRANTY	3-years from date of shipment
CERTIFICATIONS	TUV Certified to UL 62368-1, CSA C22.2, NOM Addendum, FCC Part 15 Class A Conformance, RoHS Compliant