

2021



EXTERNAL PARTNER TRAINING

ReliaGear® LV SG

ANSI/UL Low voltage switchgear

Electrification Solutions



Low voltage product team

Rodrigo Morales

Global Product Manager
ANSI LV Switchgear
Electrification business

ABB Inc

Cary, NC USA

Email: rodrigo.morales@us.abb.com

Joe Vetter

Product Application Specialist
ANSI LV Switchgear
Electrification business

ABB Inc

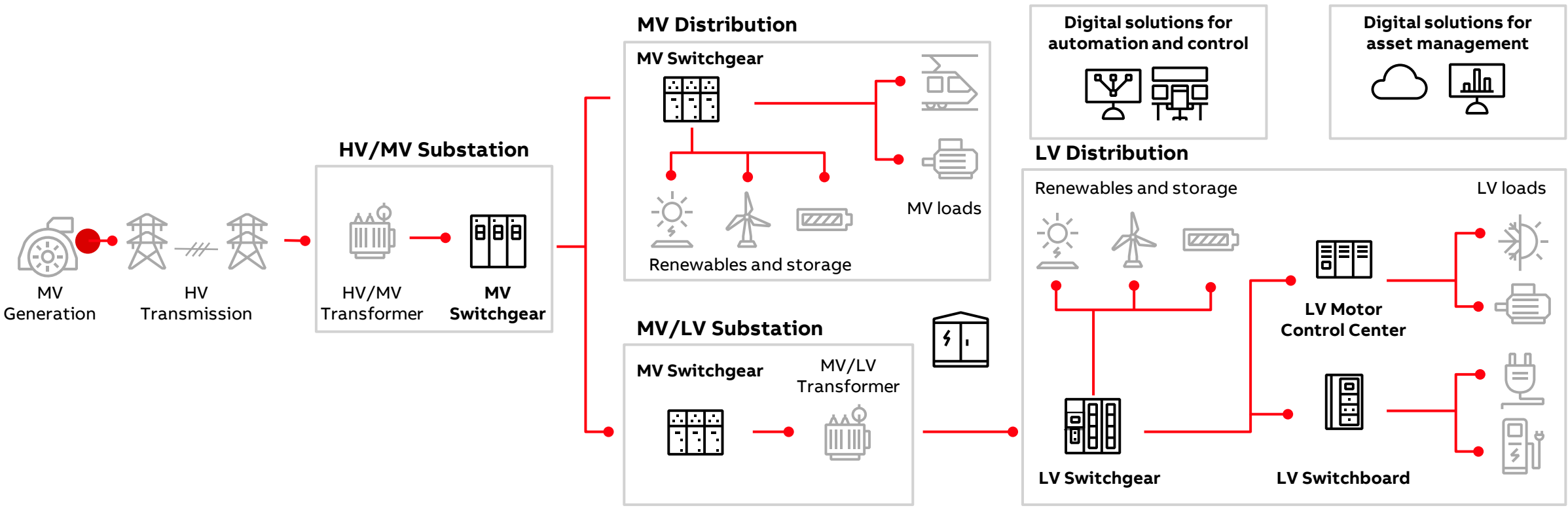
West Burlington, IA USA

Email: joseph.vetter@us.abb.com

Agenda

- 1 Low voltage switchgear product offering
- 2 Product positioning
- 3 Product value proposition
- 4 Product features and scope
- 5 Configurations
- 6 Commercialization package
- 7 Q & A

ANSI/UL Low voltage switchgear

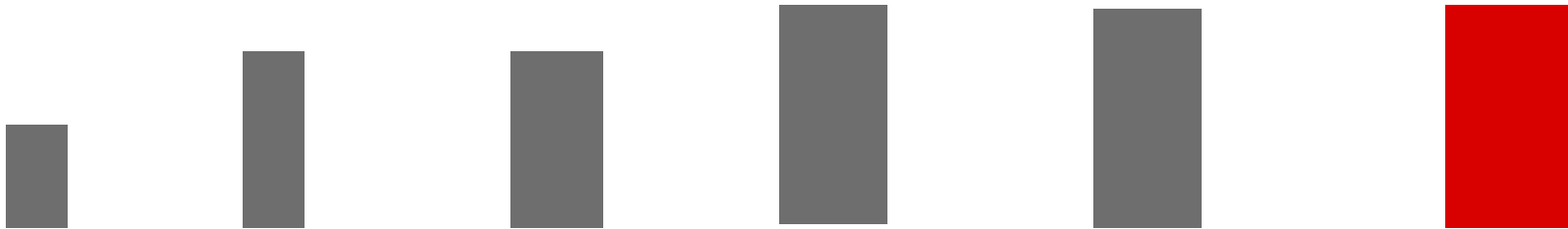


HV: High Voltage (above 66 kV) | MV: Medium Voltage (between 1 kV AC, or 1.5 kV DC, to 66 kV) | LV: Low Voltage (below 1 kV AC, or 1.5 kV DC)



Product strategy

Low voltage switchgear



Product	Load center	Lighting panelboard	Power panelboard	Switchboard	LV Motor Control	LV Switchgear
Trademark name(s)	PowerMark Gold	ReliaGear LP	ReliaGear neXT	ReliaGear SB	ReliaGear LV MCC	ReliaGear LV SG/Entellisys
UL certification	UL 67	UL 67	UL 67	UL 891	UL 845	UL 1558
Typical application	Residential	Light commercial	Heavy commercial	Light industrial	Light/Heavy industrial	Heavy industrial
Maximum amperage	225	800	1,200	6,000	3,200	6,000



ReliaGear family of low voltage products

LV ANSI switchgear - Portfolio management

Non-arc resistant and arc-resistant switchgear

Active products



ReliaGear® LV SG

- Emax 2 ACB with Ekip trip unit
- 8 different communication protocols
- ABB Ability™ Ready
- RELT, 1% Metering
- Up to 6000 Amps H1 2023



MNS-SG AR

- Emax 2 ACB with Ekip trip unit
- 600 VA system up 4000 A, 100 kA
- C37.20.7 compliant Type 2B
- Plenum and plenum-less designs available



AKD-20®



Entellisys®



PBII SB



MaxSG



MNS-SG NAR

Limited products



ReliaGear® LV SG

Product positioning

Target segments

Increase focus in faster growing segments... Continue to build core...

Key growth drivers (>6% CAGR)



Data Centers



Healthcare

Fastest growing segments

Mission Critical messaging

Increase focus – Critical power team, FAEs, account managers

High-potential segments (3-5% CAGR)



F&B



Industrials



Utilities

Medium growth segments

Safe, smart and sustainable messaging

Expand focus – Industrial and Utility sales team, agents, partners & AM

Core market (1-2% CAGR)



Commercial
Construction



Oil & Gas

Core segments for ABB

Safe, smart and sustainable and mission critical applications

Build on strengths in segments – segment managers, channel



Product value proposition

ReliaGear LV SG switchgear

Overview



Incorporating the best of both: All-in-one innovation SACE® Emax® 2 ACB with Ekip trip unit technology, integrated into the proven AKD switchgear platform.

- 3P3W and 3P4W – 600/347 Vac, 480/277 Vac
- Fully rated 100 KAIC at 600/347 Vac, 480/277 Vac and 208/120 Vac
- Main circuit breakers: up to 6000 A
- Main bus: up to 8000 A
- Air circuit breakers: 250–5000 A
- UL1558 and CSA C22.2 No.31 compliant
- Enclosures: NEMA Type 1 and 3R
- Seismic ratings: 1.33g sds a z/h of 1 CBC-2019/IBC-2018
- Depths: 54-74 inches
- Widths: 15 - 22 – 30 – 38 - 49 inches



ReliaGear® LV SG

What is improved?

- SACE® Emax® 2 air circuit breaker with Ekip trip units – “Intelligent Asset”
 - Integrated auto-transfer (consult factory)
 - 1% metering option
 - 8 different communication protocols
 - Modular and scalable options
- Compartment shutters standard offering
- 100 kA SCCR/85 kA ST rating in the E2.2 – highest rating in a smaller frame
- 100 kA SCCR/100kA ST E4.2 and still fit in a 22-inch section up to 2000 A
- Improved footprint in 5000 A main, tie + feeders (No extra blank section required)
- Cradle mounted kirk lock, allows to swap breaker while retaining interlock
- E1.2 integration...15” minimum stack width
 - 4 high full rated 1200 A / 65KA SCCR / 50KA ST - **Best in Class**
 - E1.2 can be intermixed with E2.2/E4.2 feeders in 22/30W sections



ReliaGear® LV SG

What is improved?

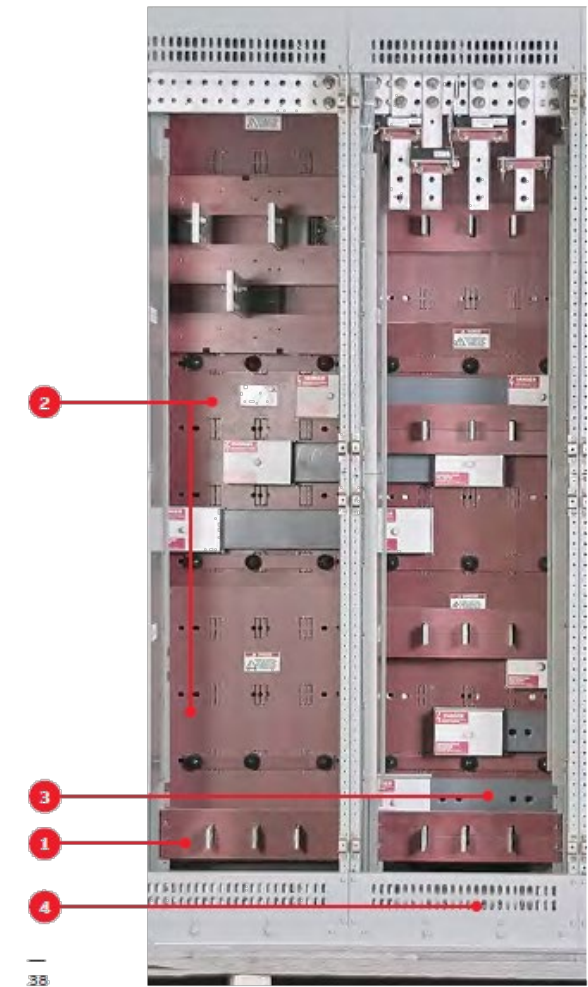
- SACE® Emax® 2 air circuit breaker with Ekip trip units – “Intelligent Asset”
 - Integrated auto-transfer (consult factory)
 - 1% metering option
 - 8 different communication protocols
 - Modular and scalable options
- Compartment shutters standard offering
- 100 kA SCCR/85 kA ST rating in the E2.2 – highest rating in a smaller frame
- 100 kA SCCR/100kA ST E4.2 and still fit in a 22-inch section up to 2000 A
- Improved footprint in 5000 A main, tie + feeders (No extra blank section required)
- Cradle mounted kirk lock, allows to swap breaker while retaining interlock
- E1.2 integration...15” minimum stack width
 - 4 high full rated 1200 A / 65KA SCCR / 50KA ST - **Best in Class**
 - E1.2 can be intermixed with E2.2/E4.2 feeders in 22/30W sections



ReliaGear® LV SG

What is retained?

- Bus and structure design is the same AKD-20
- Insulated Main Bus + Phase-isolated Vertical Bus (up to 4000 A bus) 6000 A in mid-2023
- Closed-door racking
- Arc mitigation with RELT – embedded and ABB (NEC 240.87 compliance)
- Instantaneous Zone Selective Interlocking
- Multi-source GF (MSGF) is now Modified Differential GF - new name, same functionality
- External devices for complex ATO applications (PLCs, Multifunction Relays)
- NEMA 1 + NEMA 3R
- Cable compartments options



1. Feeder run backs
2. Vertical riser bus covers
3. Horizontal main bus
4. Ground bus (behind steel cover)

ReliaGear® LV SG advantages



Safe Enhanced protection

- Closed door racking
- Instantaneous ZSI
- Reduced Energy Let Through (RELT)
- Remote operation (via Ekip Com Actuator)



Smart Meeting trending markets demands

- 1% metering-Certified Class 1 Energy and Power.
- 8 different communication protocols
- Modular and scalable options
- Integrated load shedding and auto transfer



Sustainable Increased operational performance

- ABB Ability™
- Ekip Connect for settings uploads
- Ekip connect commissioning reports
- User replaceable accessories (fast and simple)

ReliaGear LV SG

Safe, smart and sustainable

Value proposition

- ReliaGear LV SG incorporates the best of both worlds: cutting edge SACE Emax 2 ACB technology integrated into the proven AKD low voltage switchgear platform
- ReliaGear LV SG meets the ever-expanding needs of the marketplace with flexibility to scale for tomorrow by providing enhanced safety, reliability, circuit protection and diagnostics

Target markets

- This new generation LV switchgear platform provides the latest technological innovations and reliability
- ReliaGear LV SG switchgear meets the demands of industrial, utility, critical power and large commercial applications
 - Data centers
 - Hospitals
 - Oil, chemical and gas
 - Food and beverage
 - Universities and colleges
 - Water
 - Stadiums

Messaging

- New technology from Ekip Touch trip units offers best-in-class reliability, monitoring and diagnostics, and flexibility
 - Integrated auto-transfer
 - 1% metering option
 - 8 different communication protocols
 - Bluetooth connectivity
- Customers are now able to add additional protection and functionality to the breaker via ABB Ability™ Marketplace, while the breaker is operational, by using Ekip Connect Software



Product features and scope

ReliaGear LV SG switchgear

Features and benefits

Features

- Advance electronics - Ekip Touch and higher Trip Units
- Watchdog inside Ekip TU improves reliability as electronic circuit periodically checks the continuity of internal connections
- Improved preventive maintenance capabilities with SACE Emax 2 Ekip Touch integration and/or Ekip Connect software
- E1.2 integration...15" minimum stack width**
- M-T-M or Utility-Gen auto transfer built in and integral 1% metering accuracy
- Modular thermal monitoring available with SACE Emax 2 Ekip Trip Unit

Benefits

- Reliability and functionally - update TU firmware, add additional protection features, measures, functionalities to the breaker via ABB Ability™ Marketplace with breaker in the closed position using Ekip Connect Software
- An alarm cause by trip coil, rating plug or current sensor (ANSI 74), a message shows in the Ekip Touch. If a protection function intervenes, the unit always checks that the circuit breaker has been opened through auxiliary contacts that indicate the position of the main contacts
- Ekip Touch and/or Ekip Connect software provides status of contact wear in terms of percentage, viewable via trip unit HMI or software
- Allows for maximum power density and optimization of lineups
- No external relays, PLCs or devices required. Optional sync check module on breaker for closed transitions. No external CTs, PTs or meters required
- Ability to signal preset alarms, and programmable commands based on the set thresholds for (3) analog inputs for temperature sensing (2 wires) and (1) analog input for 4-20mA current loop. It improved maintenance capabilities for temperature as condition monitoring solutions embedded in the system

**** Available in Phase 2**

SACE Emax 2

Main pillar to ReliaGear LV SG

SACE Emax 2 improves the efficiency of all electrical plants, creating the new standard for:

- | | | |
|-----------------------|---|--|
| 1 Performance | — | Satisfying all major requirements at the right size |
| 2 Control | — | Optimization of power flow even in emerging microgrid application |
| 3 Connectivity | — | Integration into any digital systems |
| 4 Ease of use | — | Simplified user experience during all customer interactions during the product lifecycle |



SACE Emax 2 is far more than a circuit breaker




Air circuit breakers

High performance for main or feeders



Per UL 1066

kAIC Rating (508V)	Version	250A	400A	800A	1200A	1600A	2000A	3200A	4000A	5000A
100	V-A	<div></div>							E6.2	
85	H-A									
65	S-A	<div></div>				E2.2		E4.2	<div></div>	
50	N-A	<div>E1.2</div>								
42	B-A									

Rating Overlap  *Target for Q1 2021 release



SACE Emax 2

Breaker frames and trip unit offering

4 Envelopes (E1.2, E2.2, E4.2 and E6.2)



- Drawout, 3P
- Circuit breaker and switch disconnectors
- Same electronic trip across the family
- Same auxiliary terminal box
- Same height and depth from E2.2 to E6.2

Ekip Touch: the smart trip unit



Ready to be upgraded and customized

- ABB Ability™ Marketplace ready
- Advanced protection sets included:
 - Modified Differential Ground Fault
 - 2I...Reduced Energy Let Through Ready
- Embedded Bluetooth antenna
- Internal voltage sensing pre-installed¹

LSI: Adjustable L, S and I

LSiG: Adjustable L, S, I, and G

LT adjustable from 0.4-1.0 in .001 increments

Ekip Hi-Touch: the ultimate trip unit

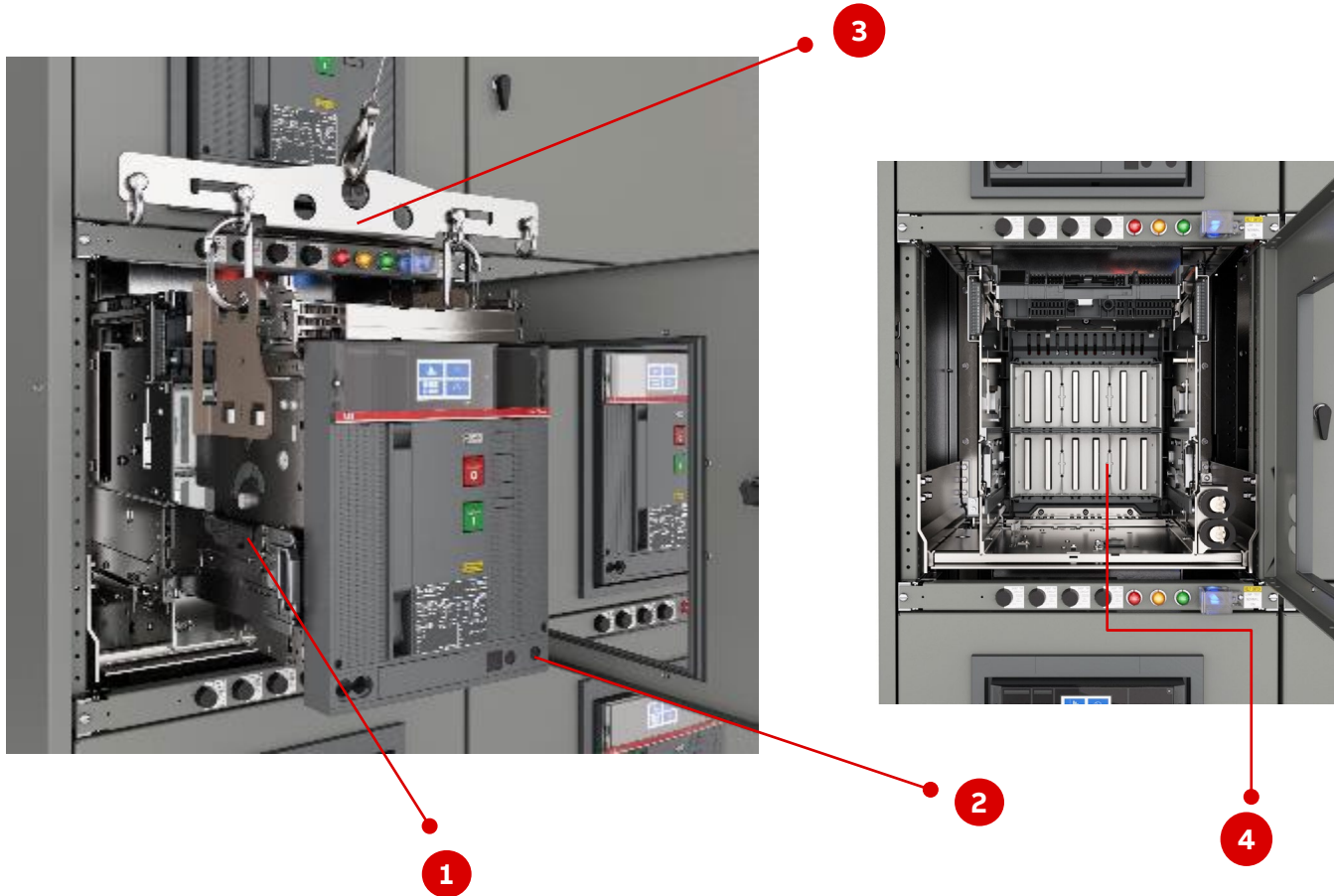


Ekip Touch Plus a lot more preloaded:

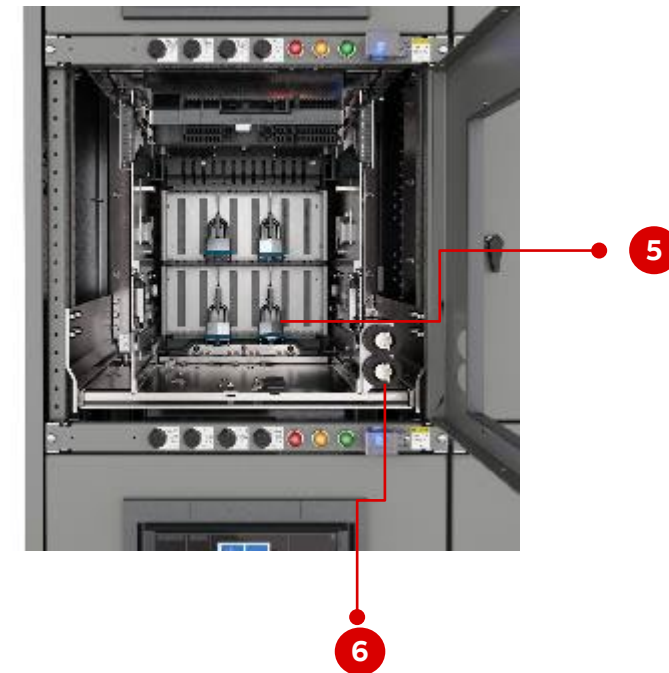
- Class 1% accuracy
- Directional protection for complex grids
- Dual setting for smart grids and arc-flash
- Enabled Internal voltage sensing and Self-power

ReliaGear LV SG new designs

Drawout level overview



1. Breaker mount racking mechanism (E2.2 – E6.2)
2. Positive position racking indicator
3. Overhead lifting beam
4. Compartment shutters standard offering
5. Shutter padlocking locking provision (8mm dia.)
6. Cradle mounted kirk interlock



Side view

Embedded functionality

Dedicated ANSI protection functions available with Ekip G trip units



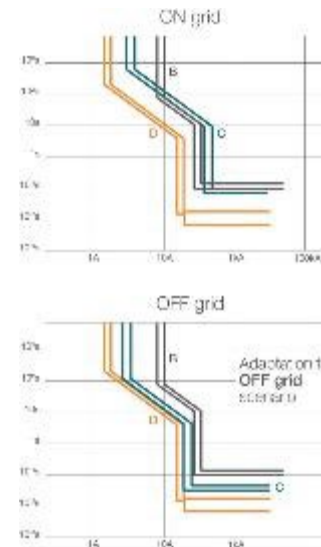
Cabled selectivity

Communication based selectivity

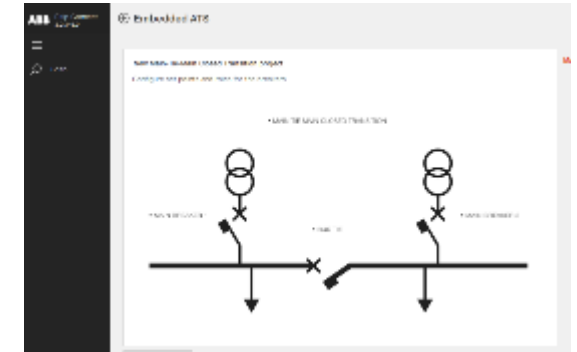
- Ekip link
- IEC 61850



Dual setting capability to adapt protection levels to the real working conditions of the system



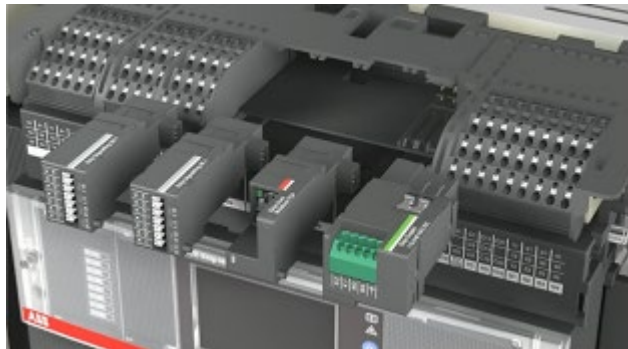
Example: embedded Automatic Transfer Switch



SACE Emax 2 option modules

Cartridge modules

- Ekip supply
- Ekip link
- Ekip com
- Ekip signaling
- Ekip synchrocheck



Expansion modules

- Ekip Signaling 4K: (4I + 4O): installed in the front of the breakers with Ekip Touch trip units for E2.2...E6.2
- Ekip Signaling 10K: (11I + 10O): external DIN rail mounted, up to four modules allowed per trip unit
- If fully equipped, E2.2 ... E6.2 can provide up to 50 outputs and 54 inputs; up to 44 outputs and 48 inputs for E1.2



Ekip 4K



Ekip 10K

SACE Emax 2

Connectivity

Plug and play modules



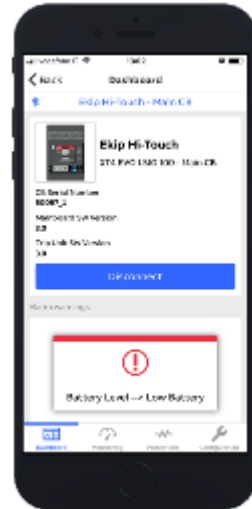
- Plug and play communication cartridge modules enable direct communication with the seven most common industrial communication protocols and the cloud:
 - Modbus RTU, Modbus TCP, Profibus DP, DeviceNet, ProfiNet, Ethernet/IP, IEC 61850 and Com Hub; Ekip Link also available
- Multiple modules can be used simultaneously
- Additionally, SACE Emax 2 offers a wide range of analog and digital I/O to acquire external measurement (i.e temperature) and signals

The most flexible and comprehensive connectivity offering

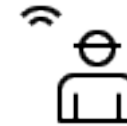
SACE Emax 2

Connectivity

Embedded Bluetooth



- Easy protection setting and information access
- Possibility to upgrade the circuit breaker using software packages available on ABB Ability™ Marketplace
- Safe commissioning of the device
- Import and export of the CB settings
- Option available without Bluetooth



**Easy and Fast
Interaction**



**Safer
interaction**

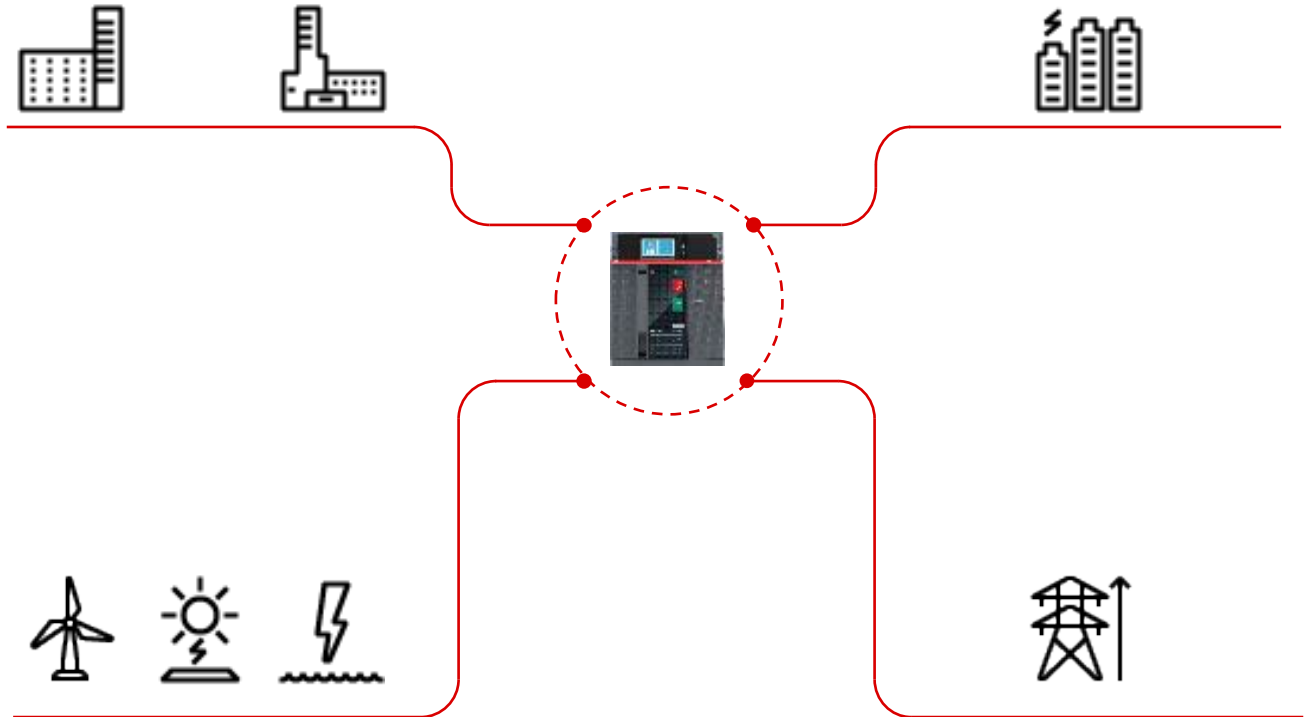
Always connected and up to date

SACE Emax 2 - Trip Unit

High accuracy measurement

Certified for IEC 61557-12

- Class 1 in Energy and Power according IEC 61557-12
 - Accuracy: Current 0.5%, Voltage 0.5%, Power 1%, Energy 1%
- Low current detection, starting from 0.4% of I_n
- Perfectly suitable for SCADA integration
- Analysis of energy demand



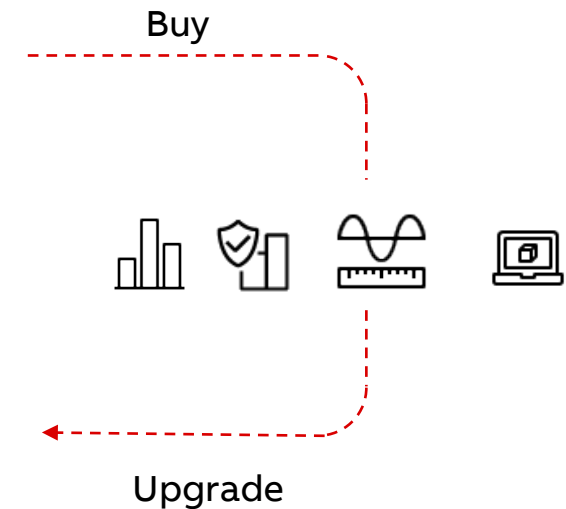
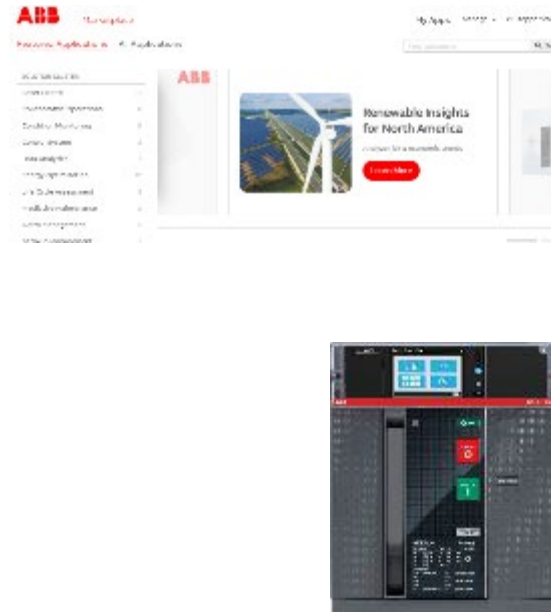
Ready for energy efficiency

SACE Emax 2 – Ekip Trip Unit

Upgradable solution

SACE Emax 2 evolves during the lifecycle

- With dedicated software packages it is possible to fully customize the circuit breaker
- Using the new BLE connectivity through the ABB Ability™ Marketplace, SACE Emax 2 can be upgraded in the field using a smartphone and evolve during the lifecycle
 - Measurements
 - Protections
 - Network analyzer
 - Datalogger



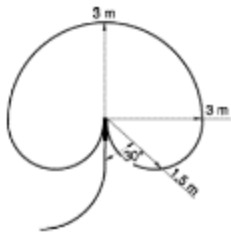
Customized and scalable solutions

Arc flash mitigation optional

Active arc flash mitigation reduces equipment damage and downtime

TVOC-2 light sensing relay

- Detects arc flash and triggers breaker trip.
- Uses array of point-lens sensors to detect arc flash
- Sensors mounted in bus, cable and breaker compartments
- Response time <4ms + breaker clearing time
- Expandable up to 30 sensors per unit
- Optional current sensing unit



REA101 light sensing relay

- Fiber loop routed through equipment
- Current sensing capability with enable/disable control
- Triggers upstream breaker trip
- <4ms response time + breaker clearing time

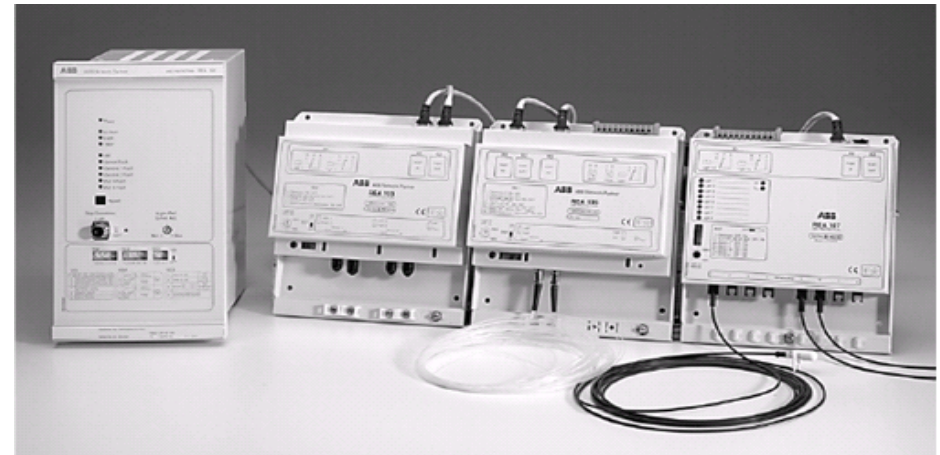
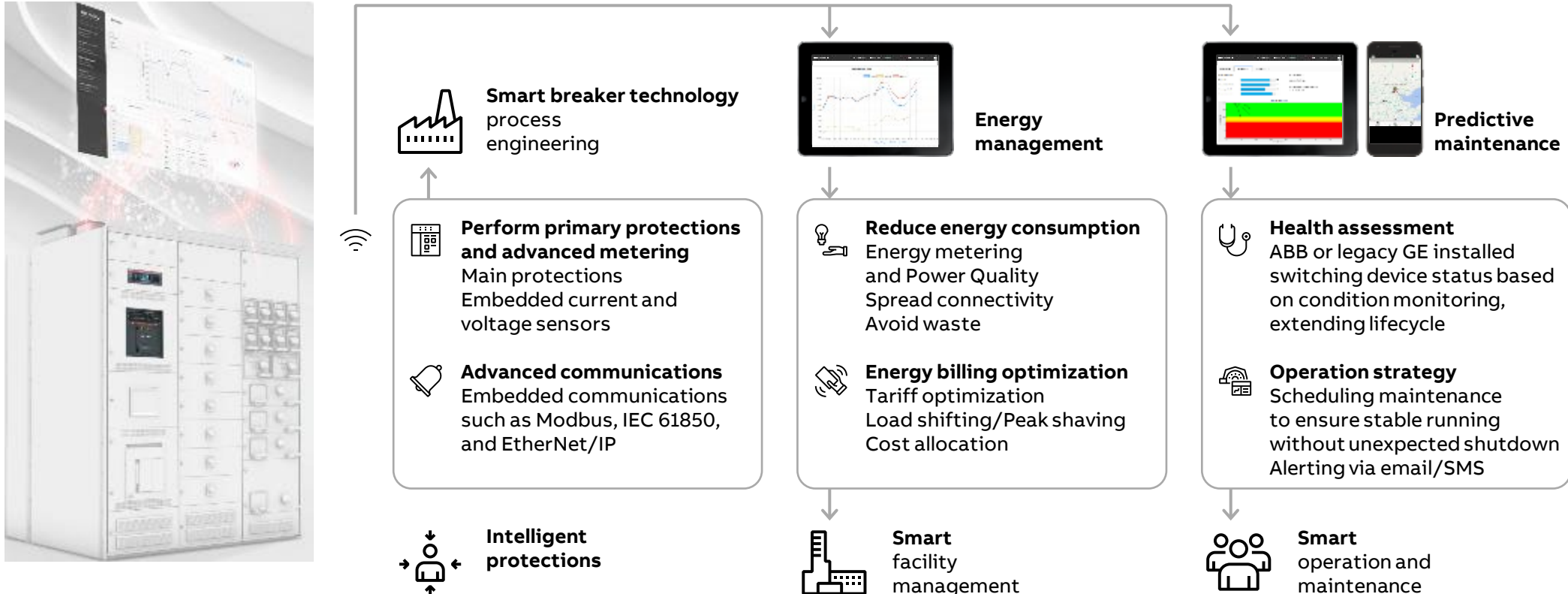


ABB Ability™ energy and asset manager

Customer application



— Configurations

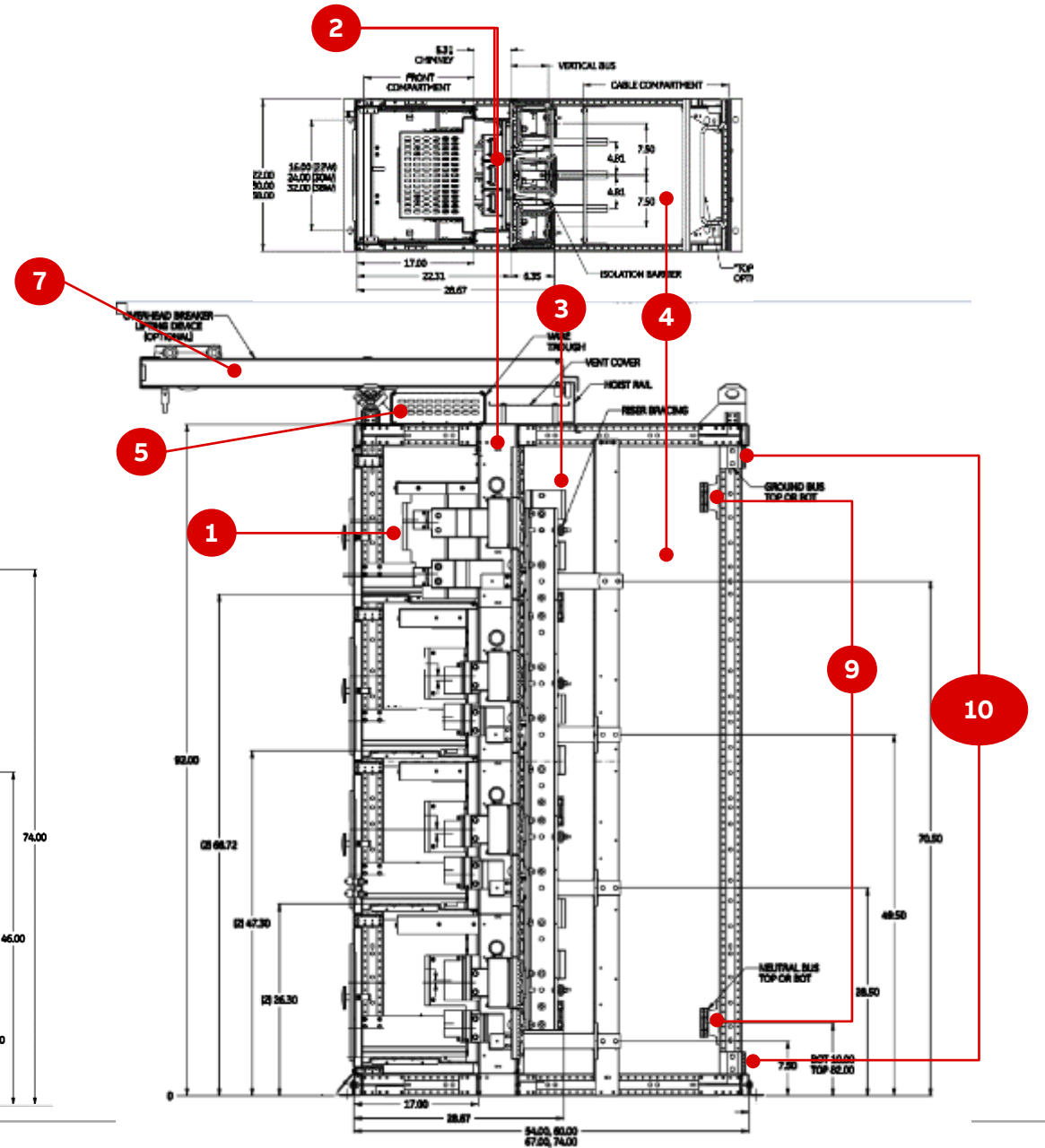
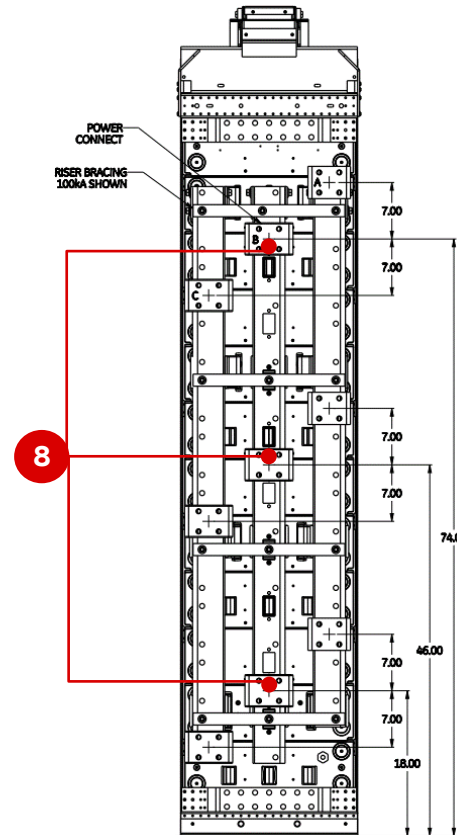
ReliaGear LV SG new designs

Subsystem level overview

Sub systems

1. Breaker compartment
2. Chimney
3. Bus compartment
4. Cable compartment
5. Top wire trough
6. Rear wire trough*
7. Overhead hoist
8. Main bus locations
9. Neutral bus locations
10. Ground bus locations
11. Main bus insulation and riser bus isolation covers*
12. Cable compartment segmentation*

*Not shown



SACE Emax 2

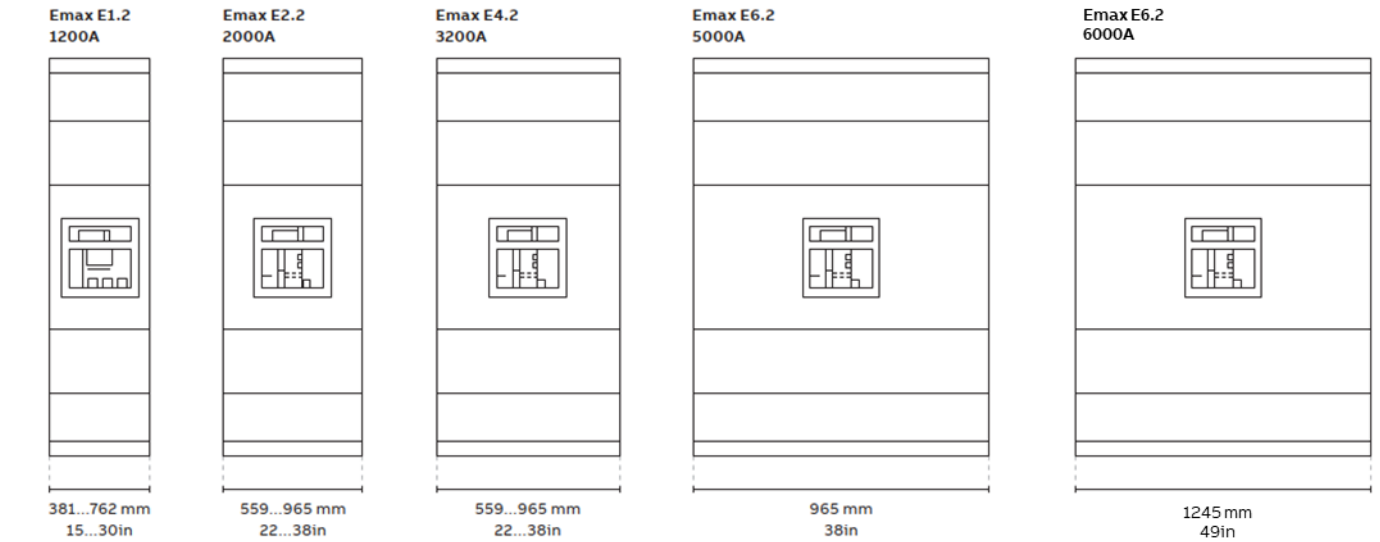
Footprint

More efficiency in switchgear

- Five construction sizes
- High short circuit rating in a compact size
- Flexible circuit breaker stacking capabilities
- Embedded functionalities, avoiding external devices, cables and extra space

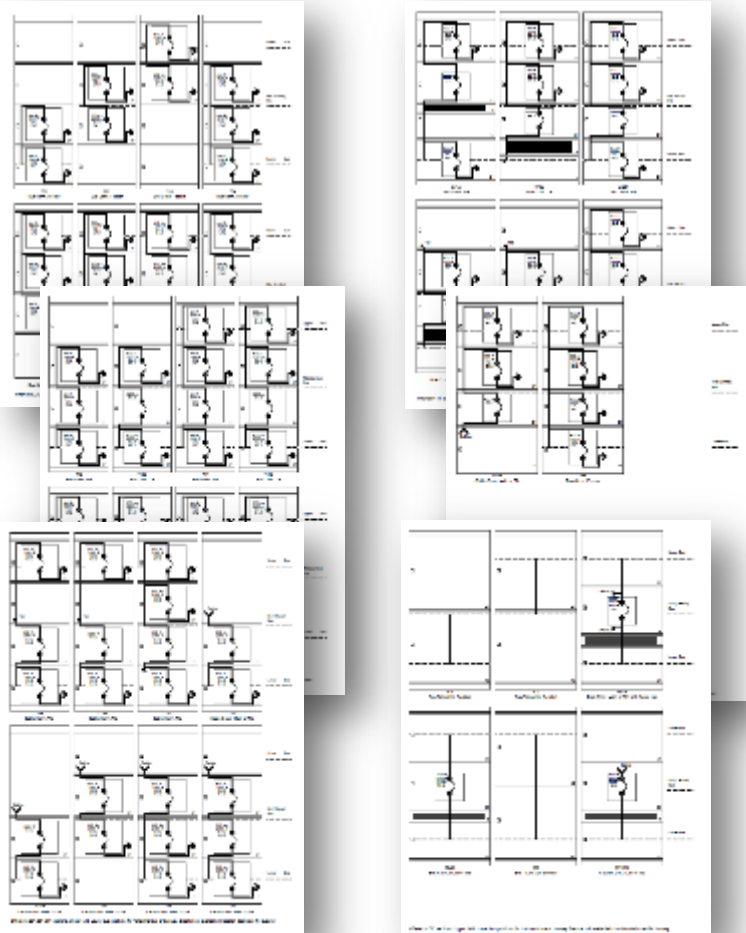
Benefits

- Reduce equipment footprint
- Reduced busbar length, saving copper



Less system cost and more usable space for end user

Configurations



- Bolted construction - no welding
- Seismic qualified - CBC-2019, IBC-2018, ASCE7-16, and IEEE 693-2018
- Pending renewal OSP-0043-10
- Standard depth is 54-inch (22.31-inch-deep front compartment plus 31.69-inch-deep rear compartment)
- Rear compartment depth can be extended 6, 13 or 20 inches (applies to all sections in line-up)
- Intermix sections allow 22-inch-wide breakers to be mounted in 30-inch or 38-inch-wide sections. Ideal for mixing feeders in main/tie sections
- Both frame options provide additional conduit space



Commercialization package

ReliaGear LV SG

Low voltage switchgear support team

Global Product Manager	Rodrigo Morales
Product Specialist	Joseph Vetter
Proposals Manager	Randy Crow
Contract Manager	Dan Jones (Project Management)
Aftermarket parts	Ermilo Neira
Service	Matt Daly
Order entry	Empower

Special instructions:

- All quote requests to be submitted in SFDC (ABB1 or ABB2)
- Typical quote turn-around requested by Sales is 1-2 weeks
- **Post-Sales Service/Warranty: 1-888-GE- RESOLVe (1-888-437-3765) Option #2**

empower quotation

Sample breaker detail screen

Breaker Details

Breaker - Compartment

Frame

Quantity

BKR10 - 004 EMAX2-5000-H - 102B

E6.2

2

Device Details

Trip Unit

Accessories

Instrument Panel

CT

Cables

Operation

Device Type

Breaker Application

Top Connection

Manually operated

Circuit Breaker (aut

Main

☐ Future

Riser

Frame Size

Withstand Rating:

Breaker Label

Bottom Connection

5000

85

102B

☐ Fire Pump

Riser

Close

empower quotation

Sample breaker trip unit detail screen

Breaker Details

Breaker - Compartment

Frame

Quantity

BKR10 - 004 EMAX2-5000-H - 102B

E6.2

2

Device Details

Trip Unit

Accessories

Instrument Panel

CT

Cables

Trip Unit

Ekip Touch

Protection Function

LSI

Ground Fault

None

Ekip RELT Option

Via RELT Module

RELT Switch

Required

Ekip Supply Module

Ekip Supply 110-240 VAC/DC

Measuring Module

None

Voltage Outlet Mounting

N/A

Ekip Power Controller

No

Ekip Com Hub Module

No

Primary Comm. Module

None

Primary Comm. Module (2)

None

Redundant Comm. Module

None

Ekip Link Module

No

Synchrocheck Module

No

Signaling 2K Modules


None

Ekip 3T1 Module

No

Disable Bluetooth

No



Close

ReliaGear LV SG

empower front view example

Quote view

101	102	103	104	105	106	107
AUX18	AUX22 004-BKR10 EMAX2-5000-H Main	AUX33	AUX31	AUX32	AUX28 004-BKR13 EMAX2-5000-H Main	AUX30
AUX17	AUX21	007-BKR13 EMAX2-1600-S Feed		007-BKR14 EMAX2-1600-S Feed	AUX27	
	AUX20	007-BKR12 EMAX2-1600-S Feed	AUX24 005-BKR11 EMAX2-3000-H Tie	005-BKR16 EMAX2-2000-S Feed	AUX26	AUX29
	AUX19	005-BKR13 EMAX2-2000-S Feed	AUX23	005-BKR14 EMAX2-2000-S Feed	AUX25	
Transition 22 in.	5000A 38 in. Shipping Split	LV 22 in.	5000A 38 in. Shipping Split	LV 22 in.	5000A 38 in. Shipping Split	Transition 22 in. Shipping Split

Add Stacks / Linquip Modifications

LV

Transition

5000A

Auto Fill AUX

Auto Fill UMS

Reverse Lineup

Add Breaker Compartments

Emax2

PB II

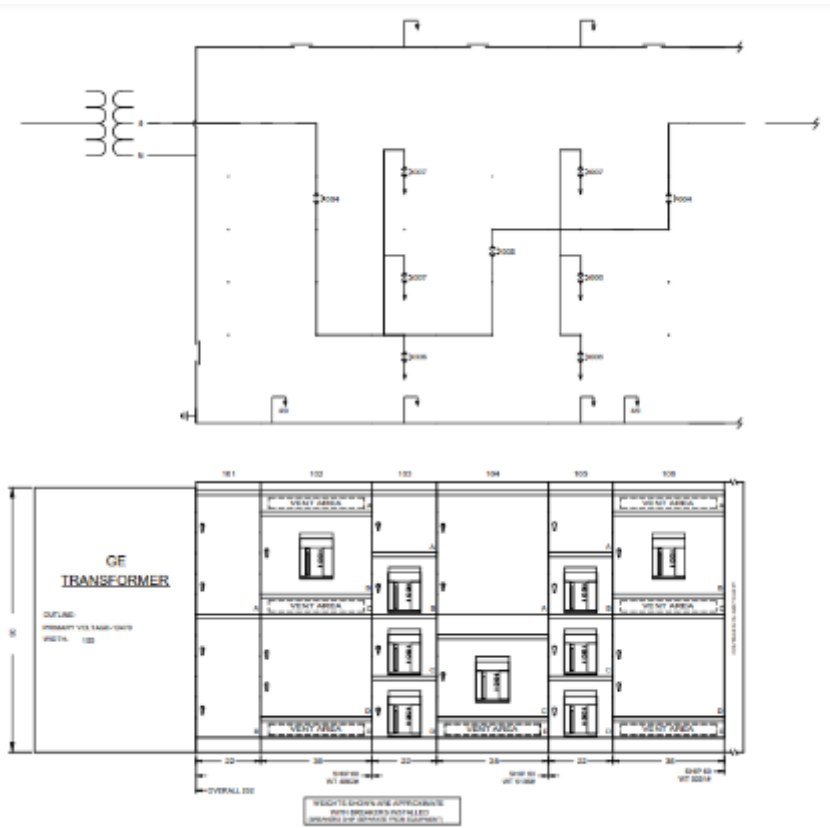
EntelliGuard

ReliaGear Add

Not Available

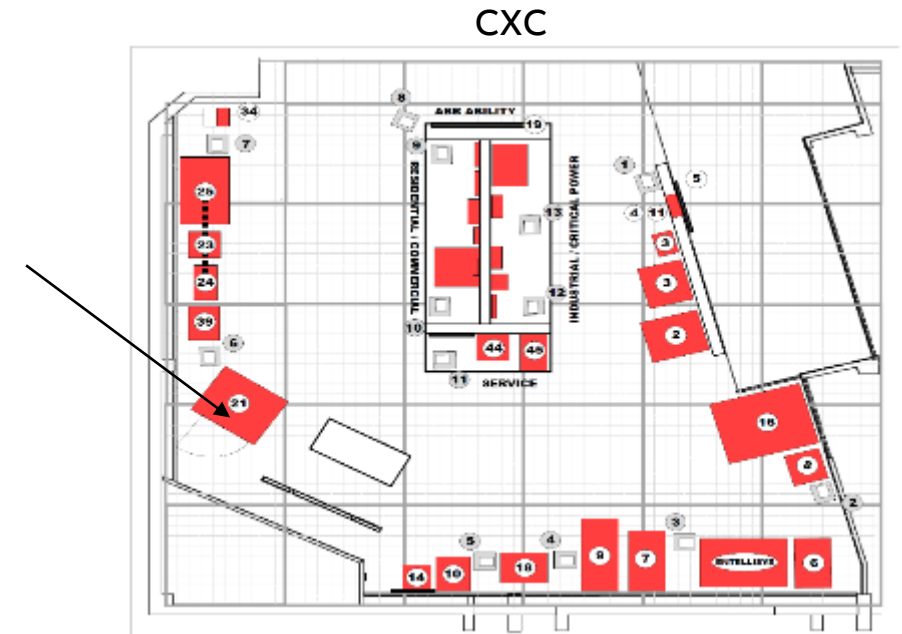
Not Available

Customer view



Leveraging CX marketing plan

Roadshow and CXC



ReliaGear LV SG

Publications




Document

- ReliaGear LV SG Release Note: [1VAL106901-RN](#)
- ReliaGear LV SG Release Note: [1VAL106902-RN](#)
- ReliaGear LV SG Release Note: [1VAL106903-RN](#)
- ReliaGear LV SG Fact Sheet: [1VAL106901-FL](#)
- ReliaGear LV SG Descriptive Bulletin: [1VAL106901-DB](#)
- ReliaGear LV SG Competitive Comparison: [1VAL106901-CC](#)
- ReliaGear LV SG Technical Application Guide: [1VAL106901-TG](#)
- ReliaGear LV SG IOMM: [1VAL106901-MB](#)
- [Microsite](#) for all of the above content
- [CSI Master Guideform spec](#)

FACT SHEET

ReliaGear® LV SG

Low voltage switchgear



With the rapidly evolution of technology, it's nearly impossible to predict future needs. ABB believes in creating solutions that give you what you need today with flexibility to scale for tomorrow.

ReliaGear® LV SG low voltage switchgear platform incorporates the best of both worlds: cutting edge SACE® Emax® 2 Air Circuit Breaker (ACB) technology integrated into the proven AKD low voltage switchgear platform. This new generation LV switchgear platform provides the latest technological innovations and reliability customers expect from ABB.

ReliaGear LV SG brings reliability and innovation to the switchgear platform with ratings that range from 2000 A–8000 A as main bus and utilizing SACE Emax 2 ACB covering 800 A–6000 A frames served by four envelopes (E1.2, E2.2, E4.2 and E6.2) and up to 600 V nominal equipment class compliance.

The key differentiators and value proposition for this low voltage switchgear include:

Accuracy: Current 0.5%, Voltage 0.5%, Power 1%, Energy 1%

Low current detection, starting from 0.4% of In

Perfectly suitable for SCADA integration

Analysis of energy demand

Footprint: E1.2 envelope integrated provides a 15-inch minimum 4 high stack width.

Enhancement: E2.2 provides a higher withstand without changing "envelope" size, (i.e. up to 85 kA). The E4.2 can go all the way to 100 kA withstand and still fit in a 28-inch section (8000 A and lower).



Metering: Now Ekip trip unit with high accuracy measurement, optional integral 1 percent metering; no external CTs, PTs or meters required.

Functionality: M-T-M or Utility-Gen auto transfer built-in to the Ekip Trip Unit. No external relays, PLCs or devices required. With optional sync check module on breaker for closed transitions.

FOR INTERNAL USE ONLY

ReliaGear® LV SG

Competitive Comparison



ReliaGear® LV SG is the low voltage switchgear platform incorporating the best of both worlds: cutting-edge SACE® Emax® 2 air circuit breaker with Ekip trip unit technology, integrated into the proven AKD low voltage switchgear platform. Once again, demonstrating the innovation and reliability customers expect from ABB.

Ratings range from 2000 A–8000 A as main bus and utilizing SACE Emax 2 Ekip technology covering 800 A–6000 A frames served by four envelopes (E1.2, E2.2, E4.2 and E6.2) and up to 600 VAC nominal equipment class compliance. While still maintaining UL1558 and IEEE/ANSI standards.

Non-arc-resistant ReliaGear LV SG differentiators and values	
Differentiator	Value
Advance electronics - Ekip Touch and Trip Units	Reliability and functionality - update TU firmware, add additional protection features, measures, functionalities to the breaker via ABB Ability Marketplace with breaker in the closed position using Ekip Connect Software
Watchdog inside Ekip TU improves reliability as electronic circuit periodically checks the continuity of internal connections	An alarm caused by trip coil, rating plug or current sensor (AIGI 74), a message shows in the Ekip Touch. If a protection function intervenes, the unit always checks that the circuit breaker has been opened through auxiliary contacts that indicate the position of the main contacts
Improved preventive maintenance capabilities with SACE Emax 2 Ekip Touch integration and/or Ekip connect software	Ekip Touch and/or Ekip Connect software provides the status of the contact wear in terms of percentage from the initial display so this can be monitored when it may be time to have the breakers serviced
E1.2 Integration...15" minimum stack width	Allows for maximum power density and optimization of lineups
M-T-M or Utility-Gen auto transfer built-in and integral 1% metering accuracy	No external relays, PLCs or devices required. Optional sync check module on breaker for closed transitions. No external CTs, PTs or meters required
Modular thermal monitoring available with SACE Emax 2 Ekip Trip Unit	Ekip signaling 3T Module provides the ability to signal preset alarms, and programmable commands based on the set thresholds for (3) analog inputs for temperature setting (2 wires) and (2) analog input for 4-20mA current loop. Thus, it improved maintenance capabilities for temperature as condition monitoring solutions embedded in the system.

Electrification websites

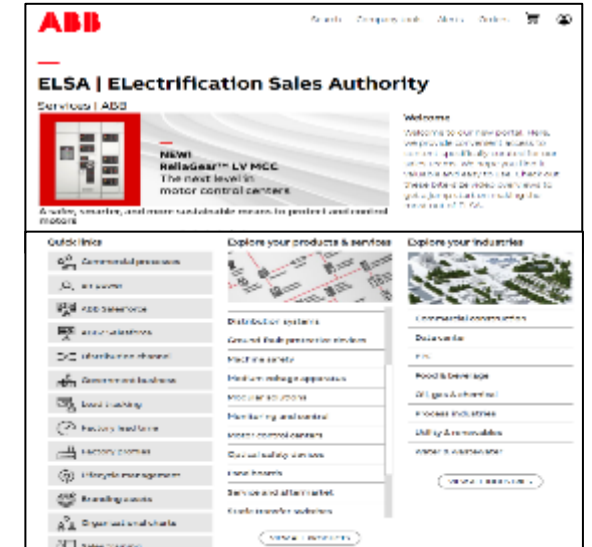
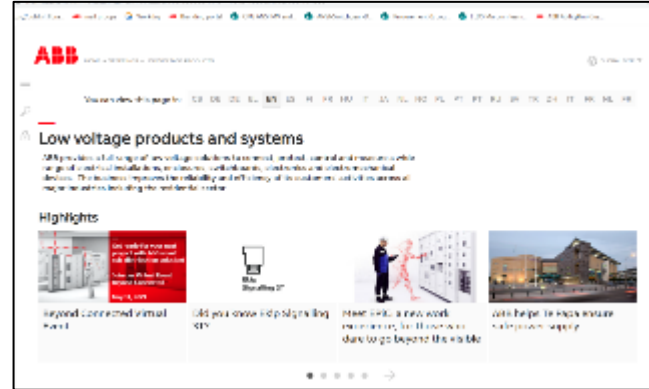
External, services and sales support portal

Global website: www.abb.com

US website: <https://electrification.us.abb.com/>

Electrification Sales Authority (ELSA):
<https://myrevbase.com/1608/v/866960?>

- empower
- Salesforce/SFDC
- Branding
- Lead times
- Lifecycle management
- Events
- Roadshow
- Training



Q & A



ABB