

BABA Products and Solutions

Build America, Buy America Act



^[1] 2 CFR 184.2(a) states the guidance “does not apply to a Buy America Preference meeting or exceeding the requirements” within the Office of Management and Budget guidance. As an example, the Federal Transit Administration’s manufactured product standard is not affected by 2 CFR 184 because it exceeds those requirements.

What does it mean to comply with BABA?

The Build America, Buy America Act (BABA) was enacted as part of the Infrastructure Investment and Jobs Act on November 15, 2021 (Pub. L. 117-58). Its primary objective is to establish a minimum domestic content procurement preference for all federally financial assisted United States infrastructure projects utilizing funds obligated after May 14, 2022.

The BABA is implemented at 2 CFR Part 184 and requires all of the iron, steel, construction materials and manufactured products incorporated into the project are produced in the United States.

Manufactured products must be manufactured in the United States, and the cost of the components of the manufactured product that are mined, produced or manufactured in the United States is greater than 55% of the total cost of all components of the manufactured product, unless another standard that meets or exceeds this standard has been established under applicable law or regulation for determining the minimum amount of domestic content of the manufactured product. ^[1] Therefore, suppliers and contractors are cautioned to identify agency-specific requirements that may differ from BABA.

ABB manufactures BABA-compliant manufactured products, and components manufactured in the United States, from select locations on the map. Products listed on this line card have eligible options for BABA certificates of compliance as a United States manufactured product or component.

BABA applications

Public infrastructure projects in the United States, which include, at a minimum:

- Government structures and equipment for roads, highways and bridges
- Transportation and airports
- Electrical transmission facilities and utilities
- Broadband infrastructure
- Electric vehicle (EV) charging

Benefits of BABA with ABB

- Bid on government-funded projects in the U.S.
- Access to government agency grants
- Certified BABA compliance, providing peace of mind
- Localized supply chain, reducing delays
- Supports US-based manufacturing
- Boosts local economic resilience

Product type	Picture	Offering	Location					Benefits	
			Arecibo, PR	Mebane, NC	Mount Juliet, TN	Selmer, TN	Senatobia, MS		
SWITCHBOARDS AND PANELBOARDS									
Switchboards		ReliaGear® SB – Configured	●					<ul style="list-style-type: none"> Configured to order switchboard with fast lead times More than 2,000+ configurations available Up to 4000 A, 480 V AC, 65 or 100 kAIC NEMA 1 or 3R enclosures Optimized designs to reduce footprint Power quality metering 2% system accuracy with Ekip Touch 	
Panelboards		ReliaGear® lighting panelboard	●					<ul style="list-style-type: none"> Advanced electronic trip units within compact frames Increased amperages and sub-feed circuit count Thousands of configurations and optional embedded surge protection devices, main metering or branch circuit metering Extruded split neutrals to simplify wiring and improve speed RGM40 revenue-grade meter available 	
		ReliaGear® neXT power panelboard	●					<ul style="list-style-type: none"> Enhanced safety with IP20 bus stack and main lug covers Features award-winning plug-in SACE® Tmax® XT circuit breaker assemblies designed for improved density and fast installation and replacement Advanced circuit breaker trip units with communications and metering Modular design allows for more flexibility to modify or upgrade panels over time RGM40 revenue-grade power quality meter available 100% rated circuit breakers 	
CIRCUIT BREAKERS (US MANUFACTURED COMPONENT)									
Circuit breakers		Molded case circuit breakers — SACE® Tmax® XT (qualified for use as BABA component)					●	<ul style="list-style-type: none"> The SACE® Tmax® XT molded case circuit breaker (MCCB) range helps ensure extreme performance and protection features up to 1200 amps Designed to maximize ease of use, integration and connectivity, and are built to deliver safety, reliability and quality Access, monitor and control information remotely, anywhere, at any time, improving efficiency and saving energy Easy selection, one-fits-all accessories and intuitive design pave the way for smart manufacturing of panels and fast upgrades BABA dedicated offering available to configure via product configurator 	
		Low voltage power circuit breakers — SACE® Emax 2 (qualified for use as BABA component)						●	<ul style="list-style-type: none"> The SACE® Emax 2 all-in-one innovation is your solution for managing low voltage distribution systems Reduce the need for additional external components Manage basic and advanced protection schemes Simplify installation, accessorizing and digital upgrades Integrate into automation and building management systems High-accuracy metering/measuring BABA dedicated offering available to configure via product configurator
ENCLOSED CIRCUIT BREAKERS AND SAFETY SWITCHES									
Enclosed circuit breakers		NEMA 1 / NEMA 3R SACE® Tmax® XT2/XT4/XT5/XT7						●	<ul style="list-style-type: none"> Provides reliable overcurrent protection and a safe means to disconnect electrical circuits in various applications, ensuring operational safety and efficiency Available from 15 A to 1200 A UL certified for safety and compliance Suitable for commercial, industrial and healthcare applications Features a configurator tool for easy customization and ordering BABA dedicated offering available to configure via product configurator
ENCLOSED CIRCUIT BREAKERS AND SAFETY SWITCHES									
Safety switches		Spec-Setter heavy duty	●						<ul style="list-style-type: none"> Provides a quick way to disconnect and reconnect electrical loads for light applications where high performance and continuity of service are essential 30–1200 A, 600 V AC, 600 V DC maximum Award-winning mounting bracket for 400–600 A Factory-installed line shield to meet NEC requirements Short-circuit rating of 200,000 rms symmetrical amps Direct-drive, quick-make, quick-break mechanism "snaps" Easy-grip donut handle Multiple enclosure options UL listed

Product type	Picture	Offering	Location					Benefits
			Arcibo, PR	Mebane, NC	Mount Juliet, TN	Selmer, TN	Senatobia, MS	
NEMA MOTOR CONTROLS								
NEMA motor controls		NEMA starters	●					<ul style="list-style-type: none"> • Size 00–6, 600 V, 24–480 V control voltage open, combo and non-combo options available • Full-voltage, reduced-voltage, non-reversing, reversing, two-speed and pump panel motor starters • NEMA Type 1, 3R, 12, 4 and 4X enclosures available for field-serviceable components • Replaceable contact tip, coils, springs, armatures • Toolless disassembly size 0–4 • Inspect and change out contacts without removing wires
		Lighting contactors	●					<ul style="list-style-type: none"> • Power poles latch easily onto base • Designating NO or NC is a simple matter of left or right positioning, and poles may be added at any time • 2–12 power poles • 30 amp rating • Snap-in auxiliary contacts • Field change from electrically to mechanically held • Field-adjustable power pole and control voltages
SWITCHGEAR								
LV switchgear		ReliaGear® LV SG	●					<ul style="list-style-type: none"> • Built to ANSI standards • Cutting-edge Emax 2 air circuit breakers with Ekip trip unit technology, all integrated into the proven AKD switchgear platform • Bus insulation/isolation is optional • Features an optimized footprint that fits into a smaller area for the most common configurations • E1.2 Emax frame provides a 15-inch min. four-high stack width
MV switchgear		Advance® air-insulated metal-clad switchgear	●					<ul style="list-style-type: none"> • Designed and tested according to IEEE C37.20.2 • ABB's ANSI platform for 5, 15 and 27 kV metal-clad switchgear, featuring a narrow footprint • Designed with safety, reliability and durability in mind with galvanized steel construction, hem bending techniques and Delrin arc-quenching contacts • Available as digital switchgear and with SwitchgearMD™ 24x7 asset health monitoring for enhanced safety, simplicity by design and reduced operational costs
		SafeGear® air-insulated arc-resistant metal-clad switchgear 5–15 kV	●					<ul style="list-style-type: none"> • Arc-resistant construction maximizes protection for equipment and personnel • SafeGear HD is the “high-duty” version of SafeGear, specifically designed for interruption and arc fault ratings of 63 kA • SafeGear and SafeGear HD both provide a solution for increased worker safety with enhanced reliability and ease of use • Available as digital switchgear and with 24x7 asset health monitoring, SwitchgearMD™ • Digital switchgear option offers enhanced safety, simplicity by design and reduced operational costs
SWITCHGEAR								
		BreakMaster™ load interrupter switchgear	●					<ul style="list-style-type: none"> • Metal-enclosed load interrupter switch (LIS) provides dependable, economical load switching and protection • For medium voltage circuit applications from 2.4 kV to 15 kV in 600 A or 1200 A load interrupting ratings • Used mainly as a primary or secondary disconnect switch for transformers • Variety of available configurations also make it useful for specific distribution needs
		BreakMaster™ V LIS with vacuum circuit breaker	●					<ul style="list-style-type: none"> • For facilities concerned with arc flash safety standards • Includes a vacuum circuit breaker instead of fuses to provide reduced arc flash incident energy levels for customers on their existing medium voltage equipment

Product type	Picture	Offering	Location					Benefits
			Arecibo, PR	Mebane, NC	Mount Juliet, TN	Selmer, TN	Senatobia, MS	
BUSWAY								
Busway		ReliaGear® busway					●	<ul style="list-style-type: none"> • Combines benefits of the proven Spectra™ series busway, the sophisticated technology of the SACE® Tmax® XT circuit breaker and fused OT/ OS switch in a plug-in unit and (PTO) with SACE Tmax and Power Break® II circuit breakers • Sleek modern look • Custom designed • Modular electrical power distribution system available in both feeder and plug-in styles, up to 5000 A
DIGITAL SOLUTIONS AND SERVICES								
		Paralleling Switchgear (PSG)					●	<ul style="list-style-type: none"> • Multiple power sources connection: Allows the system to seamlessly connect various power sources, such as generators and utility feeds • Synchronization: Before connecting multiple sources, it's crucial to synchronize their voltage, frequency and phase angle to prevent electrical system disruptions • Load sharing and control: The system intelligently distributes the load among the connected sources based on their capacity and predefined settings • Protection and isolation: Isolate faulty components to prevent cascading failures
		Substation SCADA and PMCS					●	<ul style="list-style-type: none"> • Optimizing power distribution, helping ensure reliable and efficient operation • Remote control and monitoring: Remote access enables real-time adjustments and responses to change conditions • Data acquisition and visualization: Collected data to be presented through intuitive graphical interfaces, facilitating quick comprehension and decision making • Alarm management: Identifying and alerting operators about abnormal conditions or potential issues • Data storage and analysis: Historical data collected can be archived and analyzed to identify trends, optimize operations and predict future maintenance needs
		Microgrid control					●	<ul style="list-style-type: none"> • DER monitoring and control: Allows for real-time monitoring and control of various distributed energy resources (DERs) connected to the system • Energy management and optimization: Involves balancing supply and demand, prioritizing renewable energy sources, managing energy storage and minimizing energy costs • Grid connection and islanding: Ability to operate in two modes; connected to the main grid or in "island mode" (operating independently) • Load sharing and control: Ensures optimal utilization of DERs, prevents overloading and maintains hospital, nursing, office and clinic system stability to make sure that reliable electrical equipment is available at all times

Additional resources

All BABA projects including the listed products and solutions are subject to review by the complex proposal team.



Certificate of compliance*



ABB Across America website

<https://new.abb.com/us/us/abb-across-america>



Government resources

- Made in America
www.madeinamerica.gov
- Federal Register 88 FR 57787, Aug. 23, 2023 - Office of Management and Budget, Guidance for Grants and Agreements
<https://www.federalregister.gov/documents/2023/08/23/2023-17724/guidance-for-grants-and-agreements#page-57787>



ABB resources

- Factory overview — Senatobia, MS
- Factory video — Senatobia, MS
- Mission to Zero factory video — Senatobia, MS
- Factory overview — Selmer, TN
- Factory video — Selmer, TN
- Factory overview — Mebane, NC
- Factory overview — Arecibo, PR
- Factory overview — Mount Juliet, TN

*Contact ABB Customer Service to obtain certificate of compliance information.



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The information provided in this data sheet contains descriptions or characterizations of performance that may change as a result of further development of the products.

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