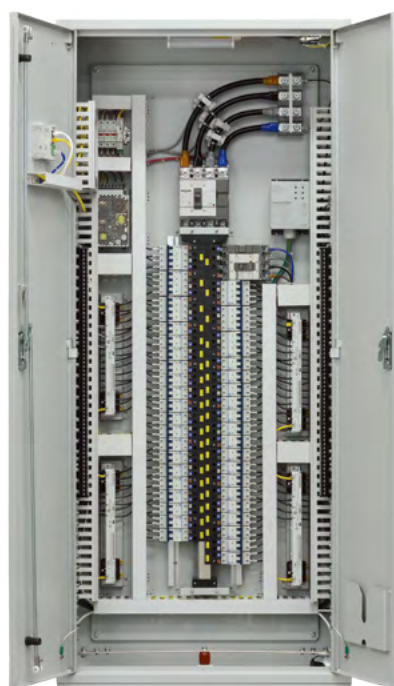




**Beyond** <sup>TM</sup> **X** **RPP**  
Remote Power Panel



**LS** **ELECTRIC**



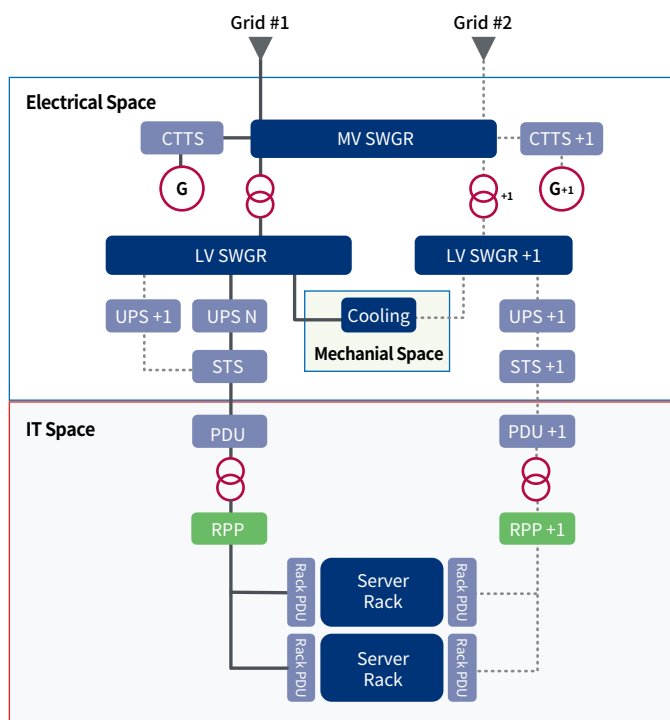
# The Best Choice for Your Data Center LS ELECTRIC

## Data Center

Data centers are critical infrastructure, and even temporary failures can cause significant disruptions to services. Therefore, building a highly reliable, uninterrupted power system is essential to ensure seamless service and secure business sustainability. Given the massive power consumption of data centers, implementing an efficient smart energy management system is crucial.

LS ELECTRIC delivers optimal power solutions tailored to customer's needs, supplying reliable and high-quality systems to leading data centers. Satisfying the data center demands for quality and reliability we help build better power networks while supporting the core of customer's operations.

## Data Center Power System Configuration



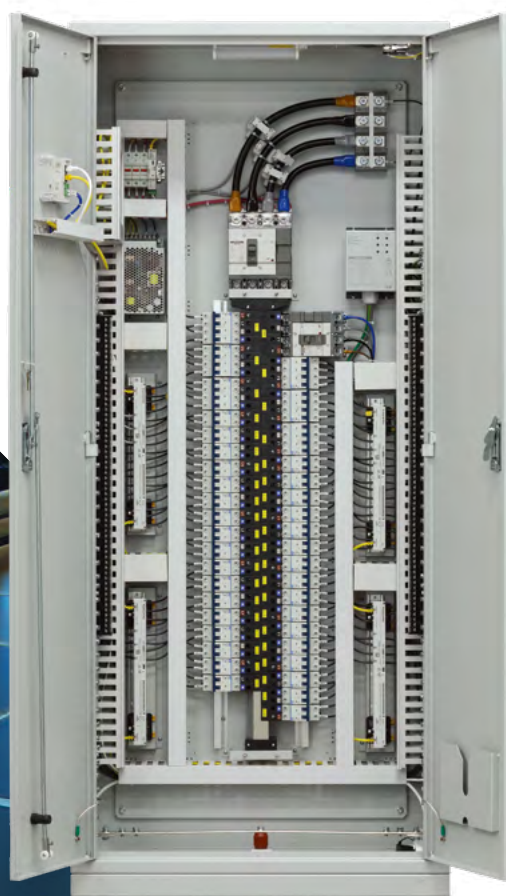


# BeyondX™ RPP

## Remote Power Panel

Beyond X™ RPP is designed to distribute electricity to IT facilities, measure power quality, monitor energy usage, and provide remote control of branch circuits. It allows safe maintenance without power interruption and enables easy replacement of branch circuits in cases of load expansion, breaker capacity changes, or equipment malfunction.

Through real-time monitoring of power quality and energy consumption, the Beyond X™ RPP system ensures stable and efficient energy management.



### Contents

|                                 |    |
|---------------------------------|----|
| RPP Layout .....                | 04 |
| Modular Busbar System .....     | 06 |
| Maintenance / Reliability ..... | 07 |
| MCB (L-Series) .....            | 08 |
| UL Standard PDU .....           | 12 |
| UL Standard RPP .....           | 13 |
| IEC Standard                    |    |
| Phase-Separated Type RPP .....  | 14 |



# RPP Layout

## The Standard for Power Distribution in Data Center IT Infrastructure



### Modular Busbar Structure

Quick and safe maintenance  
with simple connector replacement



### Hot Swappable Branch CB

Safe breaker replacement  
without power shutdown



### Branch Circuit Monitoring

Advanced power quality  
and energy usage monitoring



Main Circuit Breaker (MCCB)



Branch Circuit Monitoring (BCM)



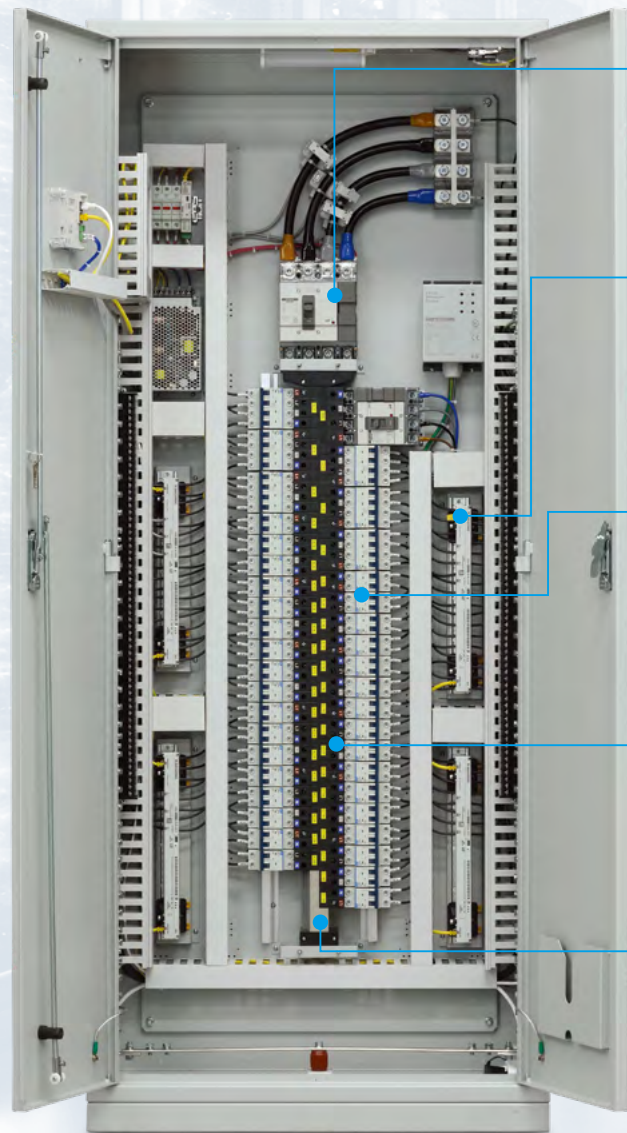
Branch Circuit Breaker (MCB)



Modular Busbar



Plug-in Connector (BB-Kit)





## Key Features and Benefits

### Scalability

- Easy branch changes with plug-in connectors
- Simple phase switching via modular busbar
- Compact size for maximum space efficiency

### Reliability

- Live breaker replacement in emergencies
- Minimizes downtime for continuous operation

### Safety

- Enclosed busbar to prevent shock and leakage
- Sealed casing to block exposure and debris

### Maintenance

- Isolated structure with minimal circuit impact
- Uninterrupted maintenance with plug-in connector

### Monitoring and Integration

- Branch Circuit Monitoring (BCM) included
- Real-time power and energy usage tracking
- Enables efficient energy management

## Key Components Specifications

### Main Circuit Breaker (MCCB)

- Type: Molded Case • Phase: 3Ø 4W / 3Ø 3W
- Rated Current: 250AF / 400AF
- Breaking Capacity: 50/65kA (N), 85kA (H), 150kA (L)
- Features: Plug-in Base (Hot-Swappable)  
Mechanical Interlock (Prevents Dual Breaker ON)
- Standard: IEC 60947-2

### Branch Circuit Monitoring(BCM)

- Measured Parameters:  
Voltage, Current, Energy, Frequency, Power Factor, Phase
- Communication: RS-485, Ethernet (Dual Redundancy)
- Protocols: Modbus, BACnet, SNMP
- Features:  
Touchscreen Interface  
Power Quality Event Monitoring

### Branch Circuit Breaker(MCB)

- Type: Molded Case • Phase: 3Ø 4W / 3Ø 3W / 1Ø 2W
- Rated Current: 1-63A
- Breaking Capacity:  
AC: 70kA (1-4A), 25kA (6-32A), 15kA (40-63A)  
DC: 15kA (1-63A)
- Features: Plug-in Base (Hot-Swappable)
- Standards: IEC 60898-1, IEC 60947-2

### Plug-in Connector (BB-Kit)

- Type: Molded Case
- Phase: 3Ø 4W / 3Ø 3W / 1Ø 2W
- Rated Current: 30A, 50A, 60A, 100A, 225A
- Material: Flame-Retardant ABS Casing
- Connection: Bolt Terminal Type
- Structure: Enclosed, Removable Type

### Modular Busbar

- Structure: Phase Stacked Arrangement
- Vertical Busbar Capacity  
250A: 3T × 35mm  
400A: 3T × 60mm / 6T × 50mm
- Bus Sequence: N1, N2, N3, N (Top to Bottom)
- Branch Connection: Plug-in Connector
- Features: Enclosed, Non-Exposed Connection

## Technical Specifications

|                                   | 250A                                                                      | 400A                                         |
|-----------------------------------|---------------------------------------------------------------------------|----------------------------------------------|
| AC Input                          |                                                                           |                                              |
| Nominal voltage                   | Up to 690V                                                                |                                              |
| Nominal input current             | 250A                                                                      | 400A                                         |
| Input frequency (Hz)              | 50/60                                                                     |                                              |
| Max short circuit withstand level | 100kA at 220V<br>50kA at 380V<br>50kA at 460V                             | 85kA at 220V<br>70kA at 380V<br>65kA at 460V |
| AC Output                         |                                                                           |                                              |
| Nominal voltage                   | Up to 690V                                                                |                                              |
| Input frequency (Hz)              | 50/60                                                                     |                                              |
| Branch current protection(A)      | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A                        |                                              |
| Rated conditional short-circuit   | 70 kA (AC 1~4A), 25kA (AC 6~32A),<br>15kA (AC 40~63A),<br>15kA (DC 1~63A) |                                              |
| Combination of branch circuit     | 92 Pole<br>(2P 46ea, 4P 23ea, 4P 4ea + 2P 38ea ... )                      |                                              |
| Environment                       |                                                                           |                                              |
| Ambient temperature               | -20°C to +40°C                                                            |                                              |



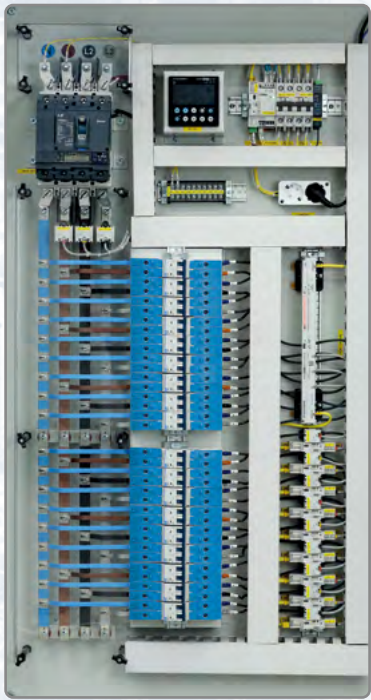
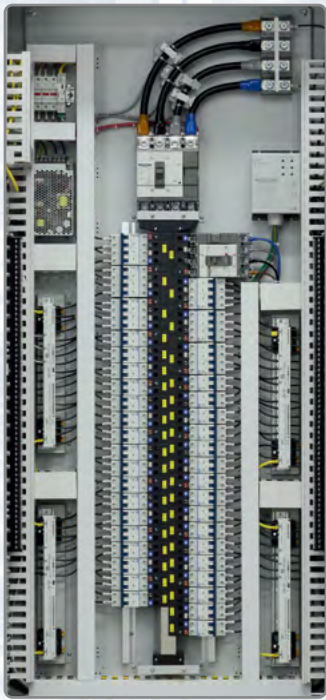
# Modular Busbar System

## Maintenance and Expansion Without Power Shutdown The Best Choice for Data Centers



### Modular Busbar System

Simplifies RPP installation and maintenance through standardized modular busbars and plug-in connectors.

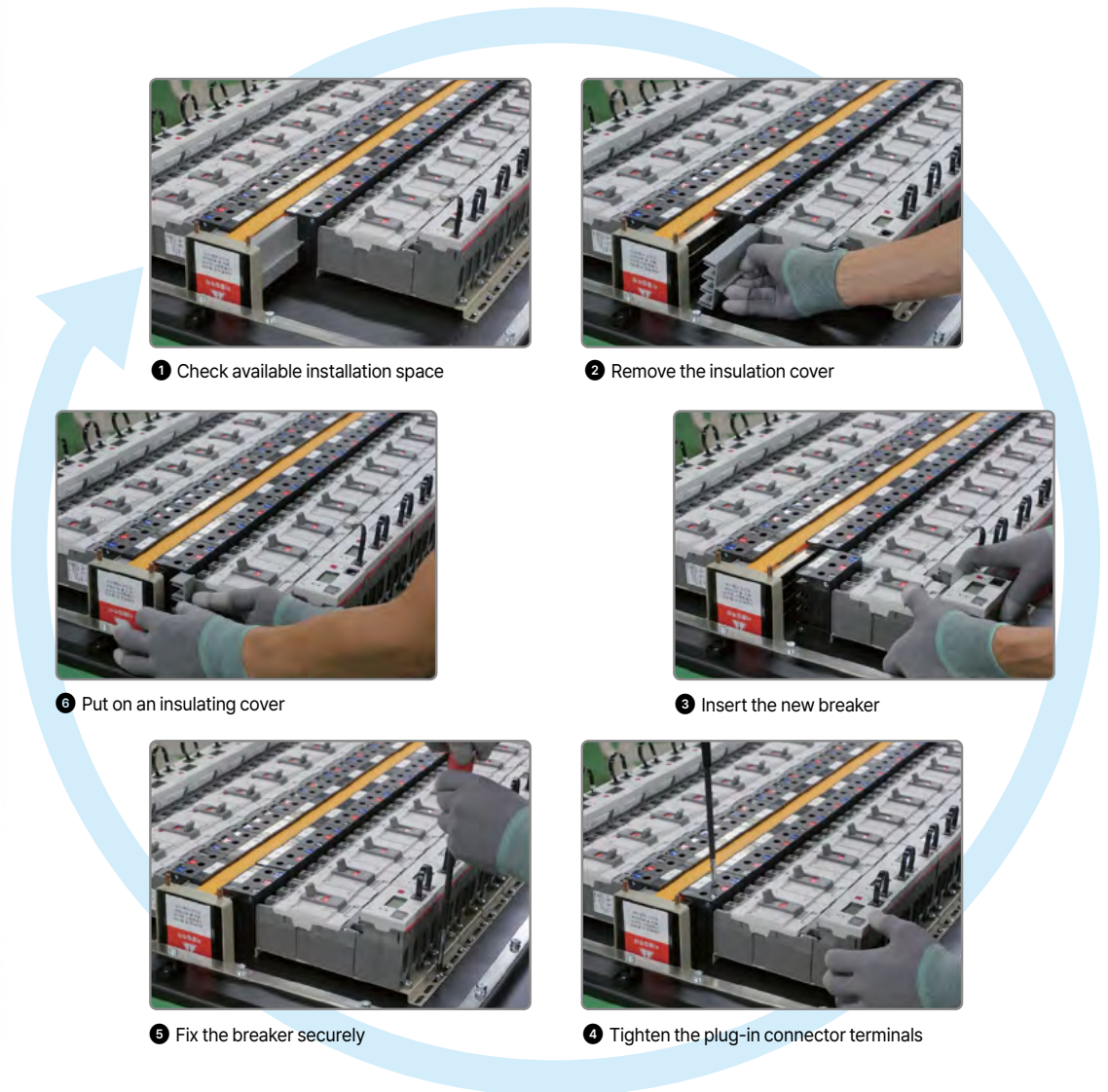


| Category                          | Modular Busbar Structure     | Conventional Busbar Structure    |
|-----------------------------------|------------------------------|----------------------------------|
| Features                          | Tool-free, easy assembly     | Complex, manual work required    |
| Phase Adjustment                  | Simple via plug-in connector | Difficult, on-site wiring needed |
| Maintenance                       | Quick and flexible           | Time-consuming and limited       |
| Spare CB Needs                    | As needed only               | Requires reserved space          |
| Hot-Swappable Breaker Replacement | Safe and possible            | Not supported                    |
| Size                              | Compact (~90%)               | Standard (100%)                  |



## Maintenance

- Minimizes outage impact during maintenance or breaker replacements
- Enables uninterrupted phase switching for load balancing



## Reliability

- The breaker is securely fixed by bolting the plug-in connector to the main busbar, ensuring tight contact
- Arc risk is minimized by post-insertion tightening mechanism

| Item         | Bolt-Fixed Type                    | Clip-Fixed Type                        |
|--------------|------------------------------------|----------------------------------------|
| Contact Area | Wide and strong surface contact    | Narrow line contact, lower reliability |
| Conductivity | Low resistance, stable power flow  | High resistance, potential heat rise   |
| Maintenance  | Easy bolt check, durable structure | Deformation risk under stress or heat  |



# Miniature Circuit Breakers (L-Series)

The best solution for a safe environment and, customer satisfaction through top-quality products and service.

**Beyond<sup>TM</sup>** X **L-Series MCB**



## User-friendly in installation

Streamline your distribution board installation with unified terminal height and handle position across all MCB products for ultimate convenience



## High performance, same size breaker

The breaker achieves high performance ratings of 4.5kA, 6kA, 10kA, and 15kA while maintaining the same compact size



## Enhanced insulation barrier

Boost insulation performance with the option to add an insulation barrier

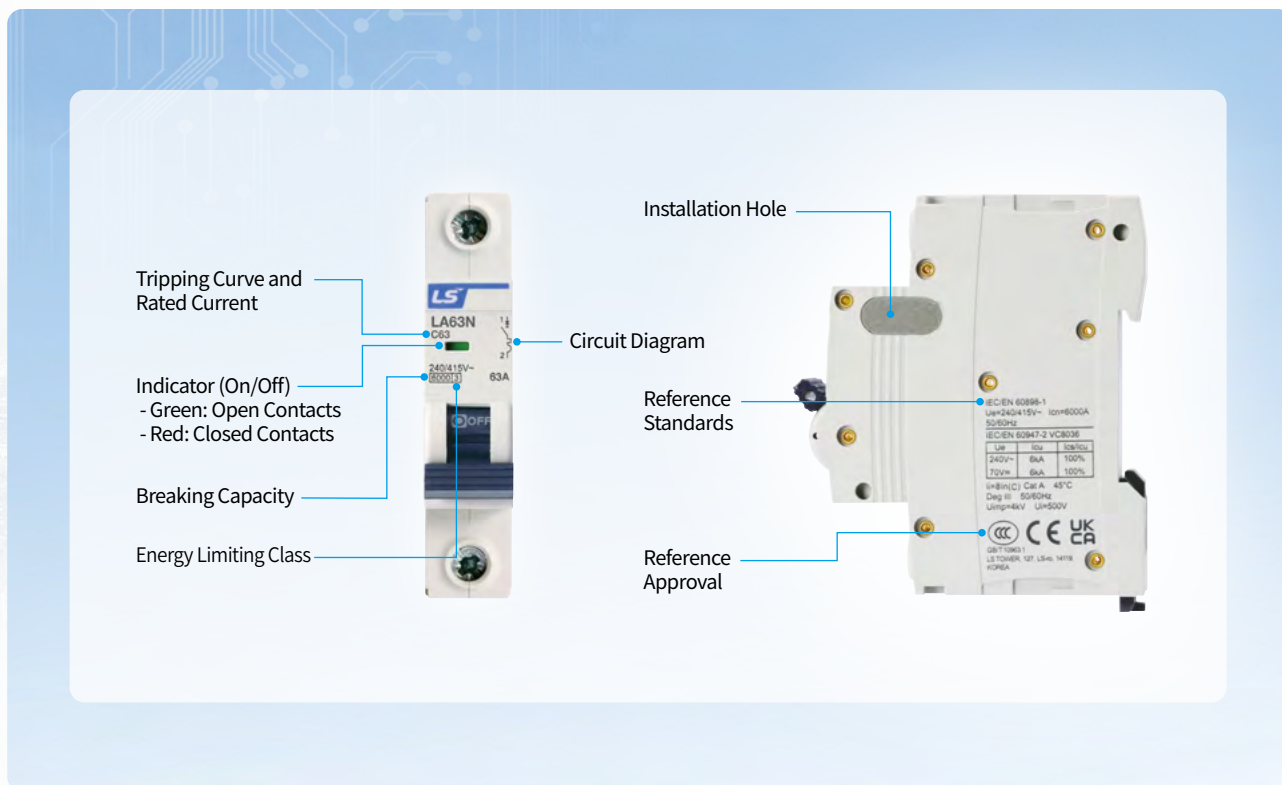


## User-friendly verification

Easily verify the circuit breaker's on/off position with the built-in indicator



## MCB Product Appearance



## Description

| LA     | 63  | H                 | -                     | 1P   | B          | 63                 |
|--------|-----|-------------------|-----------------------|------|------------|--------------------|
| Type   | AF  | Breaking Capacity | Special function      | Pole | Trip Curve | Rated Current      |
| LS MCB | 32  | L 15kA            | Blank Single terminal | 1P   | B          | 1, 2, 3, 4, 6, 10, |
|        | 40  | * IEC 60898-1     | d Dual terminal       | 1P+N | C          | 13, 16, 20, 25,    |
|        | 63  |                   | DC DC                 | 2P   | D          | 32, 40, 50, 63,    |
|        | 100 |                   | P Plug-in             | 3P   |            | 80, 100, 125A      |
|        | 125 |                   |                       | 3P+N |            |                    |
|        |     |                   |                       | 4P   |            |                    |

| LA       | AX                                   |
|----------|--------------------------------------|
| Type     | Product                              |
| L-Series | AX Auxiliary contact PB Plug-in Base |
|          | AL Alarm contact BB Busbar           |
|          | U/OVT UVT/OVT EC End cap             |
|          | SHT Shunt BC Busbar cap              |
|          | MOP Motor Operator HL Handle lock    |



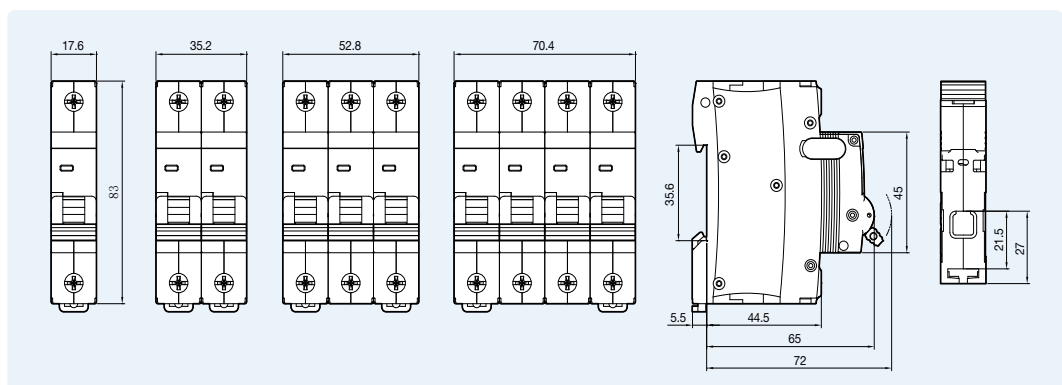
# Miniature Circuit Breakers (L-Series)

## Specifications

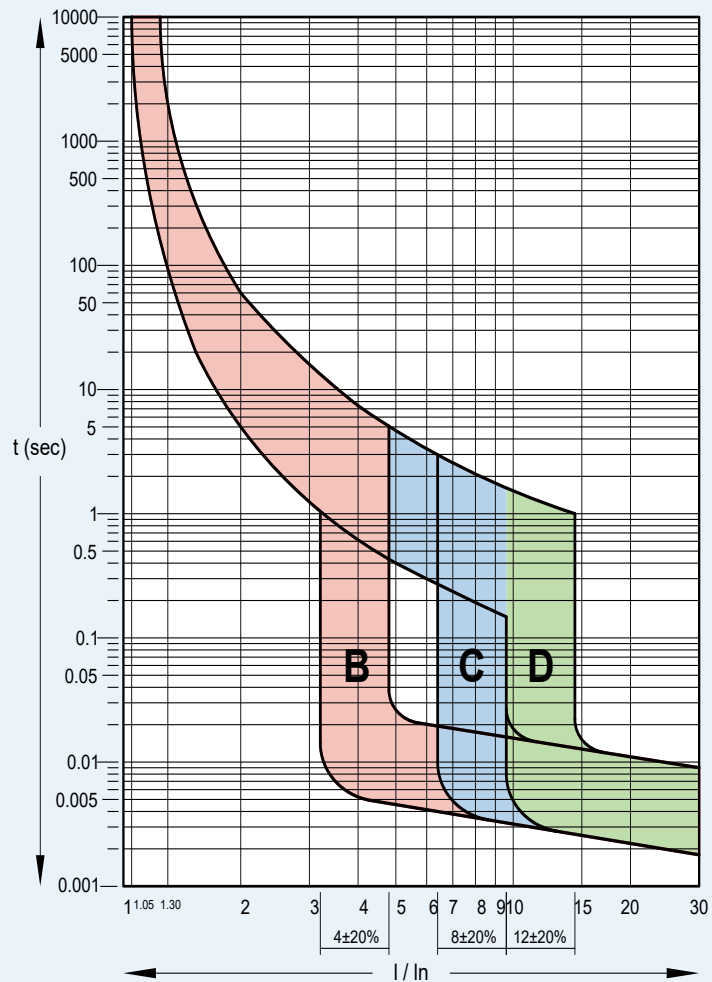


|                    | Type                                                                  | LA63L                                                                    |
|--------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------|
| Electrical Feature | Standards                                                             | IEC/EN 60898-1/60947-2                                                   |
|                    | Approvals                                                             | CE, CB, UKCA, CCC                                                        |
|                    | Poles                                                                 | 1P, 1P+N, 2P, 3P, 3P+N, 4P                                               |
|                    | Rated current (In)                                                    | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A                       |
|                    | Rated voltage (Ue)<br>IEC60898-1                                      | 1P: 240/415VAC<br>1P+N: 240VAC<br>2~4P: 415V                             |
|                    | Rated voltage (Ue)<br>IEC60947-2                                      | 1P and 1P+N: 230/240VAC<br>2~4P: 400/415VAC<br>1P: 70VDC<br>2~4P: 125VDC |
|                    | Insulation voltage (Ui)                                               | 500V                                                                     |
|                    | Frequency                                                             | 50/60Hz                                                                  |
|                    | Energy limiting class                                                 | -                                                                        |
|                    | Rated impulse withstand voltage (Uimp)                                | 4kV                                                                      |
|                    | Rated short-circuit breaking capacity (Icn)<br>IEC60898-1             | 15kA                                                                     |
|                    | Rated Ultimate short-circuit<br>breaking capacity (Icu)<br>IEC60947-2 | AC 1~4A: 70kA<br>AC 6~32A: 25kA<br>AC 40~63A: 15kA<br>DC 1~63A: 15kA     |
|                    | Rated service breaking capacity (Ics)<br>IEC60898-1                   | 7.5kA                                                                    |
|                    | Rated service breaking<br>capacity (Ics) IEC60947-2                   | AC 1~4A: 70kA<br>AC 6~32A: 12.5kA<br>AC 40~63A: 7.5kA<br>DC 1~63A: 7.5kA |
|                    | Tripping curve                                                        | B, C, D                                                                  |
|                    | Pollution degree                                                      | Deg III                                                                  |
| Mechanical Feature | Electrical durability                                                 | 10000                                                                    |
|                    | Mechanical durability                                                 | 20000                                                                    |
|                    | Protection degree                                                     | IP20                                                                     |
|                    | Operating temperature                                                 | -30...70 °C                                                              |
|                    | Storage temperature                                                   | -40...80 °C                                                              |
| Installation       | Type of terminal                                                      | Lug terminal                                                             |
|                    | Terminal capacity                                                     | Cable up to 25mm <sup>2</sup>                                            |
|                    | Tightening torque                                                     | 2 N.m                                                                    |
|                    | Mounting                                                              | 35mm Din Rail                                                            |
| Accessories        | AX                                                                    | LA-AX                                                                    |
|                    | AL                                                                    | LA-AL                                                                    |
|                    | SHT                                                                   | LA-SHT                                                                   |
|                    | UVT/OVT                                                               | LA-U/OVT                                                                 |

## Dimensions



## Characteristics Curve LA63L (IEC/EN 60947-2)



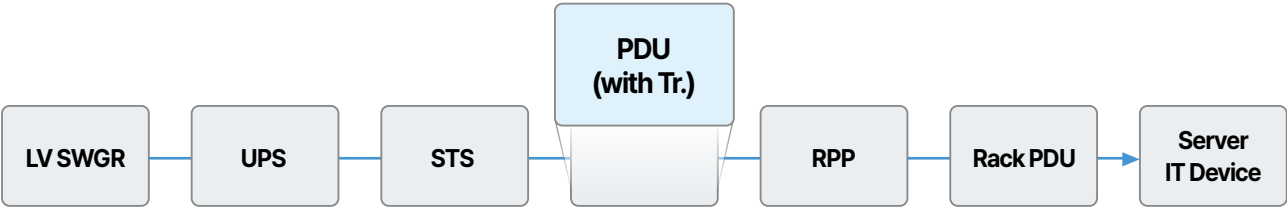
## Temperature Derating LA63L (IEC60947-2)

| Rated current (A) | -30°C | -25°C | -20°C | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  | 15°C  | 20°C  | 25°C  | 30°C  | 35°C  | 40°C  | 45°C  | 50°C  | 55°C  | 60°C  | 65°C  | 70°C  |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1                 | 1.27  | 1.25  | 1.23  | 1.21  | 1.20  | 1.18  | 1.16  | 1.15  | 1.13  | 1.11  | 1.09  | 1.08  | 1.06  | 1.04  | 1.02  | 1.00  | 0.98  | 0.96  | 0.94  | 0.92  | 0.90  |
| 2                 | 2.47  | 2.44  | 2.41  | 2.38  | 2.35  | 2.32  | 2.29  | 2.26  | 2.23  | 2.20  | 2.17  | 2.13  | 2.10  | 2.07  | 2.03  | 2.00  | 1.96  | 1.93  | 1.89  | 1.86  | 1.82  |
| 3                 | 3.71  | 3.66  | 3.61  | 3.56  | 3.52  | 3.47  | 3.43  | 3.38  | 3.34  | 3.29  | 3.24  | 3.20  | 3.15  | 3.10  | 3.05  | 3.00  | 2.95  | 2.90  | 2.84  | 2.79  | 2.73  |
| 4                 | 5.02  | 4.95  | 4.88  | 4.81  | 4.75  | 4.68  | 4.62  | 4.55  | 4.49  | 4.42  | 4.35  | 4.29  | 4.22  | 4.15  | 4.07  | 4.00  | 3.93  | 3.85  | 3.77  | 3.69  | 3.61  |
| 6                 | 8.11  | 7.98  | 7.85  | 7.72  | 7.59  | 7.46  | 7.32  | 7.19  | 7.08  | 6.94  | 6.79  | 6.65  | 6.49  | 6.33  | 6.16  | 6.00  | 5.80  | 5.61  | 5.48  | 5.29  | 5.10  |
| 10                | 12.34 | 12.19 | 12.04 | 11.89 | 11.75 | 11.60 | 11.45 | 11.30 | 11.15 | 10.99 | 10.85 | 10.68 | 10.52 | 10.35 | 10.18 | 10.00 | 9.82  | 9.64  | 9.46  | 9.24  | 9.06  |
| 13                | 16.90 | 16.64 | 16.38 | 16.12 | 15.86 | 15.60 | 15.34 | 15.08 | 14.82 | 14.56 | 14.26 | 13.98 | 13.74 | 13.49 | 13.24 | 13.00 | 12.76 | 12.53 | 12.22 | 11.96 | 11.70 |
| 16                | 20.41 | 20.13 | 19.85 | 19.57 | 19.30 | 19.02 | 18.74 | 18.46 | 18.26 | 17.98 | 17.68 | 17.33 | 17.12 | 16.58 | 16.33 | 16.00 | 15.68 | 15.26 | 14.91 | 14.52 | 14.16 |
| 20                | 25.44 | 25.10 | 24.76 | 24.42 | 24.09 | 23.75 | 23.40 | 23.05 | 22.79 | 22.43 | 22.03 | 21.68 | 21.26 | 20.86 | 20.43 | 20.00 | 19.58 | 19.11 | 18.68 | 18.12 | 17.58 |
| 25                | 30.88 | 30.51 | 30.13 | 29.75 | 29.35 | 29.02 | 28.62 | 28.24 | 27.95 | 27.58 | 27.19 | 26.82 | 26.31 | 25.95 | 25.46 | 25.00 | 24.56 | 24.08 | 23.54 | 23.18 | 22.66 |
| 32                | 41.17 | 40.63 | 40.07 | 39.50 | 38.96 | 38.47 | 37.83 | 37.24 | 36.68 | 36.02 | 35.42 | 34.78 | 34.15 | 33.45 | 32.73 | 32.00 | 31.28 | 30.55 | 29.81 | 28.98 | 28.12 |
| 40                | 50.39 | 49.76 | 49.11 | 48.45 | 47.82 | 47.23 | 46.50 | 45.83 | 45.22 | 44.56 | 43.78 | 43.05 | 42.33 | 41.56 | 40.77 | 40.00 | 39.19 | 38.35 | 37.46 | 36.66 | 35.74 |
| 50                | 62.37 | 61.60 | 60.82 | 60.06 | 59.29 | 58.51 | 57.71 | 57.01 | 56.18 | 55.38 | 54.59 | 53.65 | 52.86 | 51.83 | 50.92 | 50.00 | 49.01 | 48.05 | 46.95 | 45.93 | 45.03 |
| 63                | 79.33 | 78.31 | 77.29 | 76.25 | 75.30 | 74.22 | 73.21 | 72.09 | 71.15 | 70.05 | 68.91 | 67.81 | 66.62 | 65.33 | 64.18 | 63.00 | 61.80 | 60.52 | 59.12 | 58.02 | 56.42 |

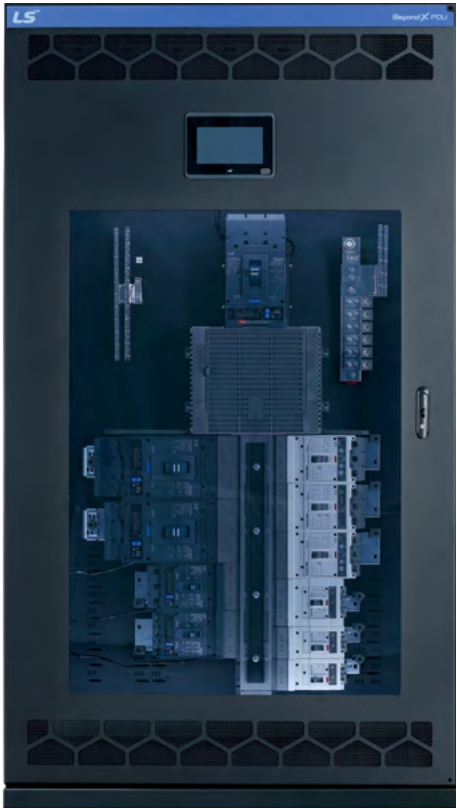


# UL Standard **PDU** (Power Distribution Unit)

Beyond X™ PDU receives power from a UPS or STS and distributes it directly to RPPs or server racks. With flexible branch breaker configurations, it provides an optimized power management solution to meet the needs of data centers.



## Key Features

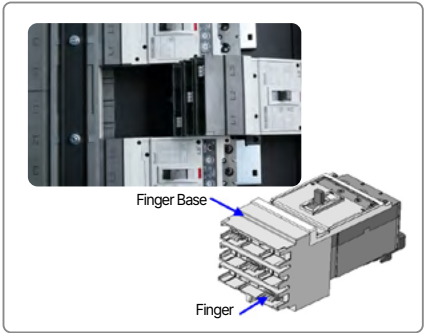


### High-Capacity Power Distribution

- Up to 1,200A incoming power capacity

### Easy Maintenance

- Bolt on, Plug-in Type MCCB connection



### Transformer Integration

- Voltage conversion from 480V to IT server-rated voltages (e.g., 415Y/240V, 208Y/120V)

### Flexible PDU Configuration

- Custom designs optimized for customer needs

### Seismic Performance

- Reinforced to ensure stability in seismic environments

### Standards and Compliance

- UL67, UL 891, UL 62368

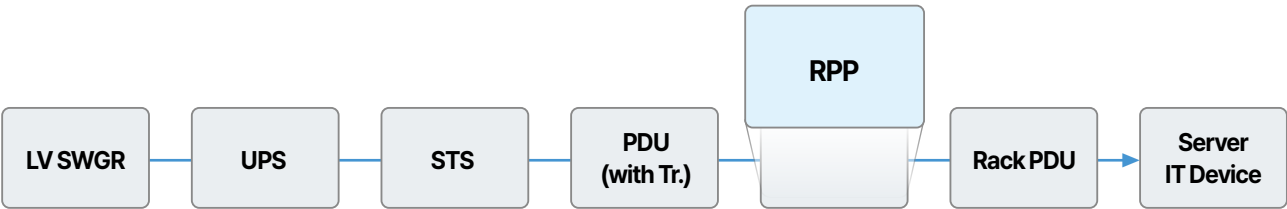
## Technical Specifications

| PDU(Power Distribution Unit) |                               |
|------------------------------|-------------------------------|
| Input Voltage (Typically)    | 480V (max 600V)               |
| Output Voltage (Typically)   | 415Y/240V, 208Y/120V          |
| Main Input Current           | up to 1200A                   |
| Main CB                      | MCCB (up to 1200A)            |
| Branch CB                    | MCCB (250A, 400A, 600A, 800A) |
| Branch CB Connection         | Bolt on, Plug-in              |



# UL Standard **RPP** (Remote Power Panel)

Beyond X™ RPP is installed in data center server rooms to supply power to rack PDUs. It safely distributes power through a main MCCB and multiple branch MCBs, while each branch circuit is monitored in real time using branch metering modules.



## Key Features



### Standardized Design

- Compact size for cost efficiency
- Fast delivery and easy installation

### Easy Maintenance

- Bolt-on and plug-in MCB connections
- Quick and simple branch modifications and expansion

### Flexible Configuration

- Custom branch design and layout tailored to site conditions

### Monitoring and System Integration

- Branch Circuit Monitoring (BCM) via metering modules
- Real-time monitoring of current, voltage, and energy usage

### Panelboard Interiors Support

- Interiors and breakers available for RPP panel builders

### Standards and Compliance

- UL 67, UL 62368 (RPP)

## Technical Specifications

| RPP (Remote Power Panel)   |                                 |
|----------------------------|---------------------------------|
| Input Voltage (Typically)  | 208Y/120V, 415Y/240V, 480Y/277V |
| Output Voltage (Typically) | 120V, 240V, 277V                |
| Main Input Current         | 250, 400A                       |
| Main CB                    | MCCB                            |
| Branch CB                  | MCB (5~100A)                    |
| Branch CB Connection       | Bolt on, Plug-in                |

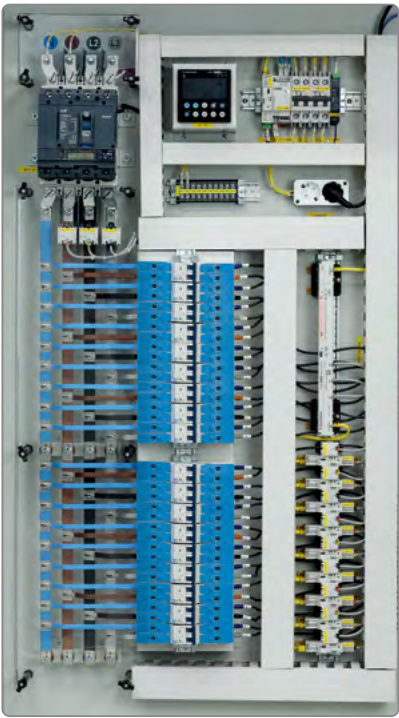




# IEC Standard **Phase-Separated Type RPP** (Remote Power Panel)

The Phase-Separated Type Beyond X™ RPP is a power distribution unit designed for data centers with minimal changes in IT server load. It features plug-on type branch breakers, enabling safe and easy live replacement of branch circuits without power shutdown. The open, phase-separated structure of the main busbar ensures stable and reliable system operation.

### Key Features



#### High Reliability

- Live branch breaker replacement supported (Plug-on Type MCB)
- Minimizes downtime to ensure continuous data center operation

#### Excellent Safety

- Open-type main busbar allows easy temperature monitoring
- Secure phase-to-phase insulation distance

#### Easy Maintenance

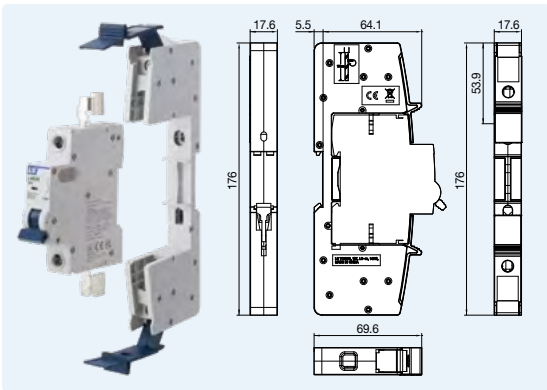
- Minimal impact on other circuits during breaker upgrades or replacement

### Plug-on Type Branch Circuit Breaker(MCB)

| Type        | LA-PB                                                          |
|-------------|----------------------------------------------------------------|
| Suitability | ≤ 63A (63A Max)                                                |
| Pole        | 1P                                                             |
| Connection  | Tunnel terminals for cable up to 35mm²(rigid), 25mm²(flexible) |
| Standards   | A base to be fastened on a rail (or panel)                     |
|             | 2 blades to be fastened in the device's terminal               |

### Dimensions / Order Number

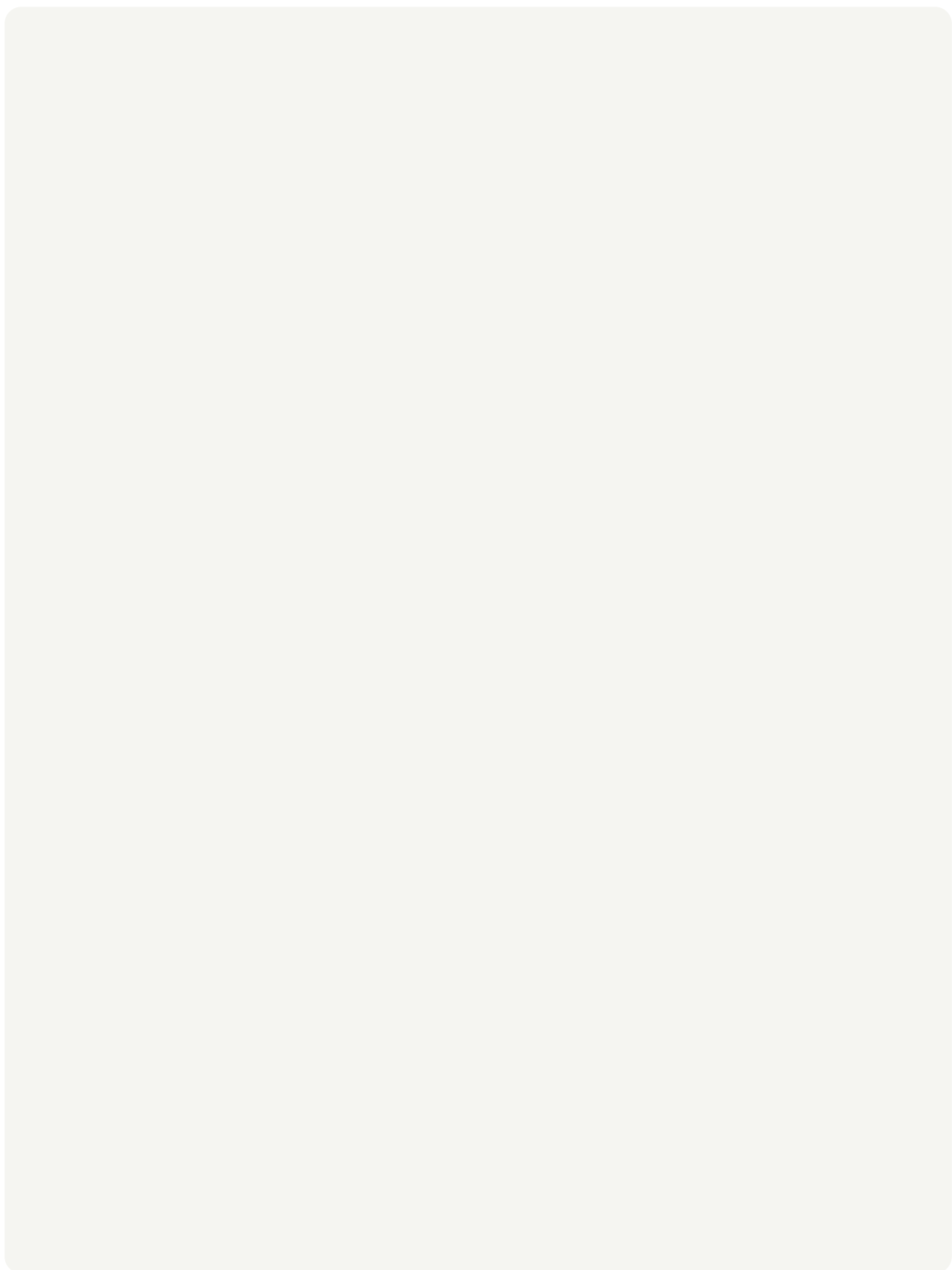
#### Dimension



#### Order Number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---------|--------------|------------|----------------|
| LA-PB   | 90810075C0   | 485        | 4              |







**Headquarter**

127 LS-ro (Hogye-dong) Dongan-gu, Anyang-si, Gyeonggi-Do, 14119, Korea

**Seoul Office**

LS Yongsan Tower, 92, Hangang-daero, Yongsan-gu, Seoul, 04386, Korea  
Tel. 82-2-2034-4916, 4684, 4429

**China**

LS ELECTRIC (Dalian) Co., Ltd.  
+86-411-8730-5872  
china.dalian@lselectric.com.cn

LS ELECTRIC (Wuxi) Co., Ltd.  
+86-510-6851-6666  
china.wuxi@lselectric.com.cn

LS ELECTRIC (Lishui) Co., Ltd.  
+86-578-6866-780  
china.lishui@lselectric.com.cn

Shanghai Office  
+86-21-5237-9977  
china@lselectric.com.cn

Beijing Office  
+86-10-5095-1631  
china@lselectric.com.cn

Guangzhou Office  
+86-20-3818-2883  
china@lselectric.com.cn

Qingdao Office  
+86-532-8501-2065  
china@lselectric.com.cn

Chengdu Office  
+86-28-8670-3201  
china@lselectric.com.cn

Nanjing Office  
+86-25-84 67-0005  
china@lselectric.com.cn

**India**

India Office  
+91-80-6142-9108  
Info\_india@ls-electric.com

**Indonesia**

PT. LS ELECTRIC INDONESIA  
+62-21-2933-7614  
indonesia@ls-electric.com  
  
PT SYMPHOS ELECTRIC  
+62-81-1900-1474  
marketing@sympfos-weltraf.com

**Italy**

Italy office  
+39-030-8081-833  
italia@ls-electric.com

**Japan**

LS ELECTRIC Japan Co., Ltd.  
+81-3-6268-8241  
japan@ls-electric.com  
  
Tokyo Office  
+81-3-6268-8241  
tokyo@ls-electric.com

**Netherlands**

LS ELECTRIC Europe B.V.  
+31-20-654-1424  
europartner@ls-electric.com

**Russia**

Moscow Office  
+7-499-682-6130  
info@lselectric-ru.com

**Singapore**

Singapore Office  
+65-6958-8162  
singapore@ls-electric.com

**Spain**

LS ELECTRIC IBERIA S.L.U.  
+34-910-28-02-74  
iberia@ls-electric.com

**Thailand**

Bangkok Office  
+66-2-128-0295  
thailand@ls-electric.com

**Türkiye**

LS ELECTRIC Türkiye Co., Ltd.  
+90-212-806-1252  
turkiye@ls-electric.com

**U.A.E**

LS ELECTRIC Middle East FZE (Dubai)  
+971-4-886-5360  
middleeast@ls-electric.com

**USA**

LS ELECTRIC America Inc.  
+1-800-891-2941  
sales.us@lselectricamerica.com

**LS ENERGY SOLUTIONS LLC**

+1-704-587-4051  
cmfeldman@ls-es.com

**MCM Engineering II**

+1-435-865-0125  
sales.us@lselectricamerica.com

**America Western Office**

+1-949-333-3140  
america@ls-electric.com

**America Bastrop Campus**

+1-800-891-2941 EXT 2  
power\_support.us@lselectricamerica.com

**Vietnam**

LS ELECTRIC Vietnam Co., Ltd.  
+84-222-2221-110  
vietnam@ls-electric.com

**Hanoi Sales Office**

+84-24-6275-8054  
vietnam@ls-electric.com

**Ho Chi Minh Sales Office**

+84-3823-7890  
vietnam@ls-electric.com