

# PV Circuit Breaker Box LQX-N Series



## DC500V~1200V 16~125A input1~15 output1~15

CNLONQ's PV circuit breaker box features a 1~15in (1~15 PV strings) 1~15out (1~15 inverter strings) design. Equipped with a rugged IP68-rated enclosure, it integrates circuit breakers(16~125A) or disconnect switch(32A) to provide comprehensive protection for solar PV systems rated below 500V/600V/1000V/1200V. This equipment performs critical circuit aggregation and disconnect functions, effectively resisting overloads and short circuits impacts

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IP68 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

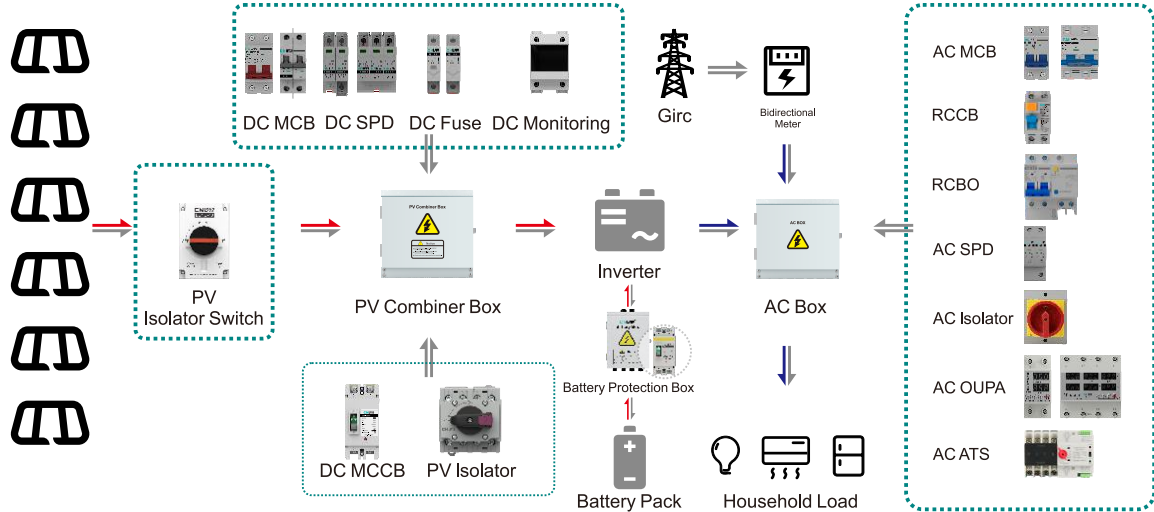
OEM/ODM Free Customization for PV Products

# Company Profile

Wenzhou Longqi New Energy Co., Ltd. (Brand: **CNLONQ**)

**Founded In 2010** And Headquartered In Yueqing, Wenzhou—China'S Electrical Capital—Wenzhou Longqi New Energy Co., Ltd. Is A Leading Innovator In Photovoltaic System Components And Electrical Protection Equipment. We Specialize In Designing, Manufacturing, And Globally Distributing High-Performance Products Essential For Efficient, Safe Solar Power Generation Systems.

The Company'S Main Factory Covers **10,000m²** With An Additional **2,500m²** Of Warehouse Space. We Support Oem/Odm And Custom Junction Box Solutions, Holding Over **100 Project Certifications And Patents With A Team Of More Than 50 Technical Personnel**. Driven By Innovation And Stringent Quality Control, We Welcome Your Partnership In Building A Cleaner Energy Future Together.



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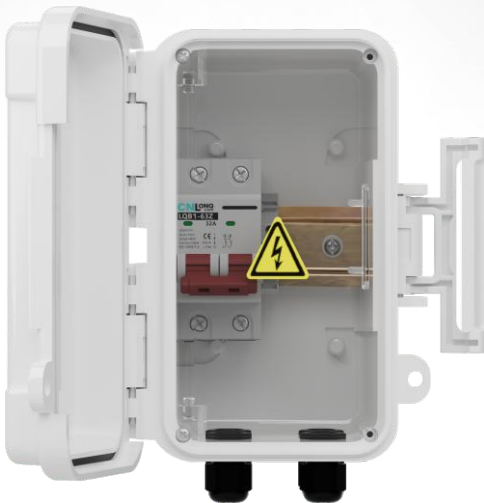
LQX-N1/1

CE ISO IEC IP68

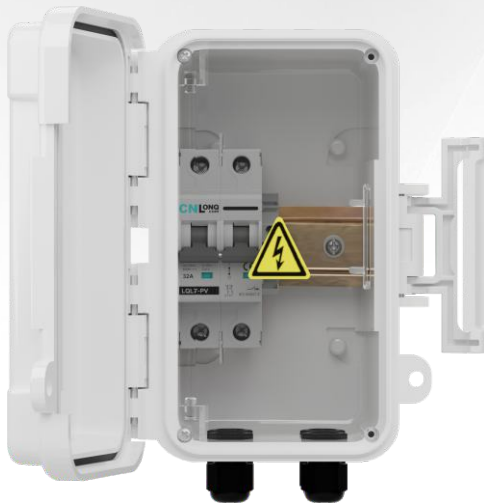
CN LONGQ.com

# Circuit Breaker Box

## DC 500/600V 1 in 1 out



LQX-N1/1DC500VBB



LQX-N1/1DC600VLL



IP68 outdoor waterproof and sun resistant UV-resistant



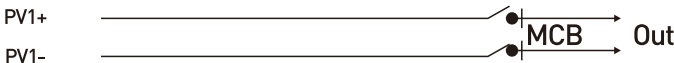
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

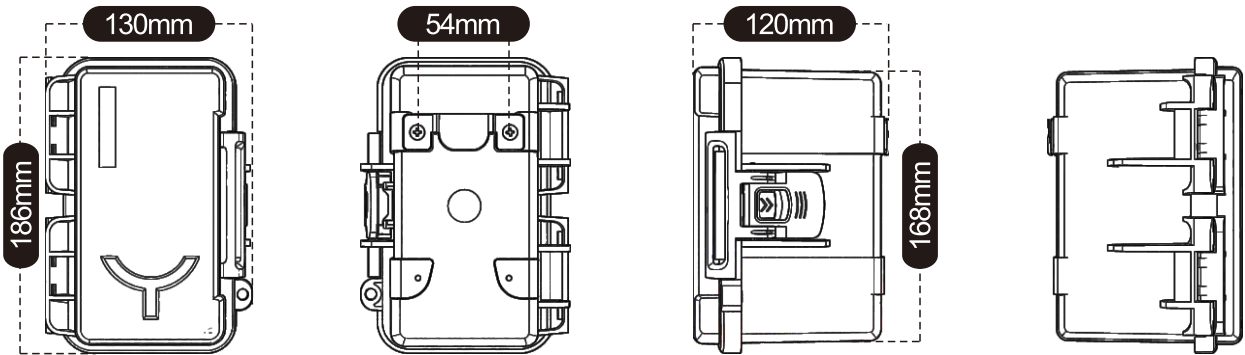


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                   |                  |
|----------------------------------------|-------------------|------------------|
| Model                                  | LQX-N1/1DC500VBB  | LQX-N1/1DC600VLL |
| String                                 | 1 in 1 out        |                  |
| Rated Voltage Ue (V)                   | DC 500            | DC 600           |
| Rated current In(A)                    | 16~125            | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68 |                  |
| Protection Level                       | IP68              |                  |
| Impact Level                           | IK10              |                  |
| Box Material                           | PC                |                  |
| Operating Temperature                  | -25 °C ~ +60°C    |                  |
| Humidity                               | ≤95%              |                  |
| Connector                              | MC4 or PG         |                  |
| Installation                           | Wall Mounting     |                  |
| Altitude                               | 2000m             |                  |
| Dimension (without mounting connector) | 186*130*120mm     |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |



LQX-N2/2

CE ISO IEC IP68

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# Circuit Breaker Box

## DC 500/600V 2 in 2 out



LQX-N2/2DC500VBB

LQX-N2/2DC600VLL



IP68 outdoor waterproof and sun resistant UV-resistant



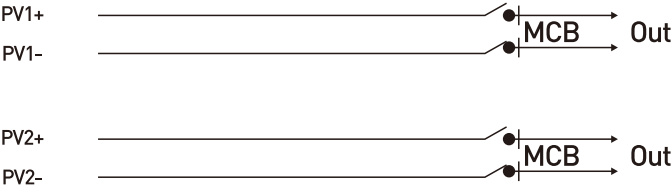
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

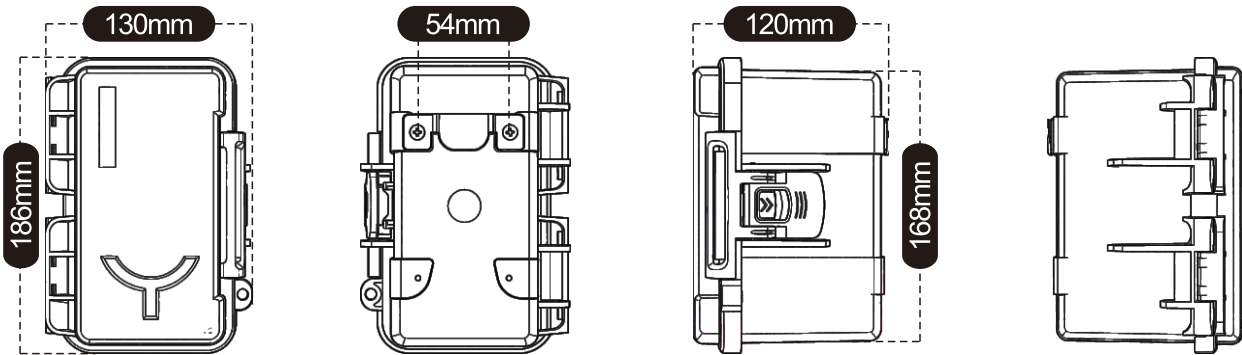


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                                               |                  |
|----------------------------------------|-----------------------------------------------|------------------|
| Model                                  | LQX-N2/2DC500VBB                              | LQX-N2/2DC600VLL |
| String                                 | 2 in 2 out                                    |                  |
| Rated Voltage Ue (V)                   | DC 500                                        | DC 600           |
| Rated current In(A)                    | 16~125                                        | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68                             |                  |
| Protection Level                       | IP68                                          |                  |
| Impact Level                           | IK10                                          |                  |
| Box Material                           | PC                                            |                  |
| Operating Temperature                  | -25 °C ~ +60°C                                |                  |
| Humidity                               | ≤95%                                          |                  |
| Connector                              | MC4 or PG                                     |                  |
| Installation                           | Wall Mounting                                 |                  |
| Altitude                               | 2000m                                         |                  |
| Dimension (without mounting connector) | 186*130*120mm(16~125A), 225*220*120mm(16~63A) |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |

LQX-N3/3

CE



IEC

IP68

# Circuit Breaker Box

## DC 500/600V 3 in 3 out



LQX-N3/3DC500VBB

LQX-N3/3DC600VLL

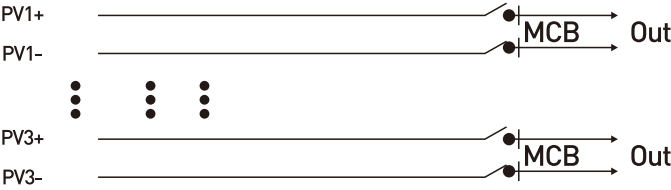
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IP68 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

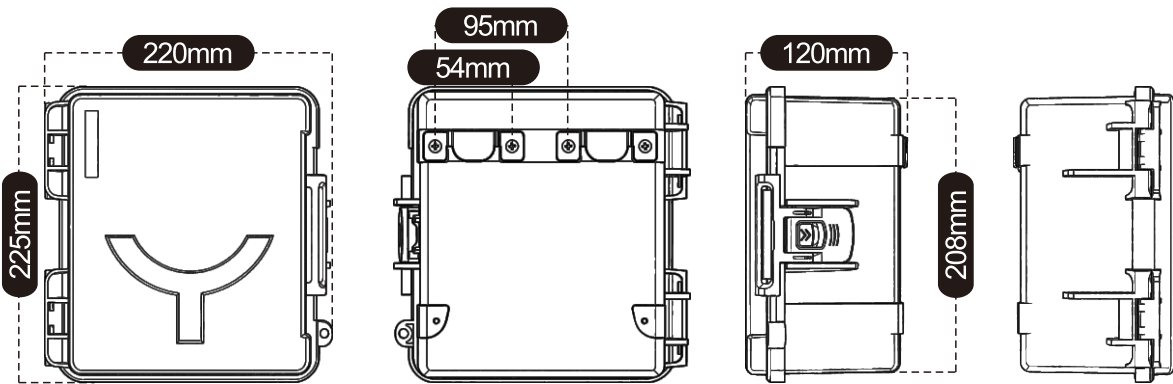
PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                   |                  |
|----------------------------------------|-------------------|------------------|
| Model                                  | LQX-N3/3DC500VBB  | LQX-N2/2DC600VLL |
| String                                 | 3 in 3 out        |                  |
| Rated Voltage Ue (V)                   | DC 500            | DC 600           |
| Rated current In(A)                    | 16~125            | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68 |                  |
| Protection Level                       | IP68              |                  |
| Impact Level                           | IK10              |                  |
| Box Material                           | PC                |                  |
| Operating Temperature                  | -25 °C ~ +60°C    |                  |
| Humidity                               | ≤95%              |                  |
| Connector                              | MC4 or PG         |                  |
| Installation                           | Wall Mounting     |                  |
| Altitude                               | 2000m             |                  |
| Dimension (without mounting connector) | 225*220*120mm     |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |



LQX-N4/4

CE



IEC

IP68

# Circuit Breaker Box

## DC 500/600V 4 in 4 out



LQX-N4/4DC500VBB

LQX-N4/4DC600VLL

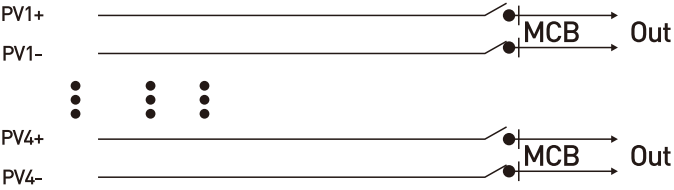
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IP68 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

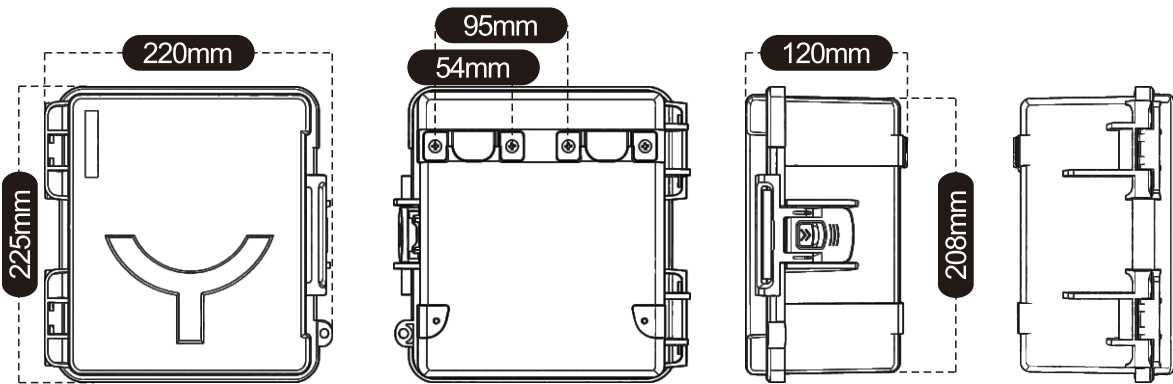
PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                                               |                  |
|----------------------------------------|-----------------------------------------------|------------------|
| Model                                  | LQX-N4/4DC500VBB                              | LQX-N4/4DC600VLL |
| String                                 | 4 in 4 out                                    |                  |
| Rated Voltage Ue (V)                   | DC 500                                        | DC 600           |
| Rated current In(A)                    | 16~125                                        | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68                             |                  |
| Protection Level                       | IP68                                          |                  |
| Impact Level                           | IK10                                          |                  |
| Box Material                           | PC                                            |                  |
| Operating Temperature                  | -25 °C ~ +60°C                                |                  |
| Humidity                               | ≤95%                                          |                  |
| Connector                              | MC4 or PG                                     |                  |
| Installation                           | Wall Mounting                                 |                  |
| Altitude                               | 2000m                                         |                  |
| Dimension (without mounting connector) | 225*220*120mm(16~63A), 225*331*120mm(80~125A) |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |

LQX-N5/5

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# Circuit Breaker Box

## DC 500/600V 5 in 5 out



LQX-N5/5DC500VBB

LQX-N5/5DC600VLL



IP68 outdoor waterproof and sun resistant UV-resistant



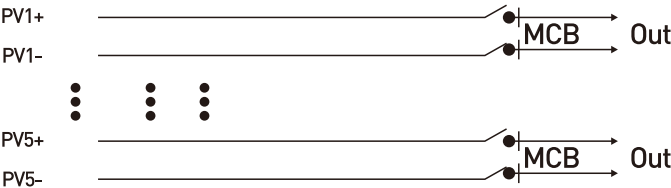
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

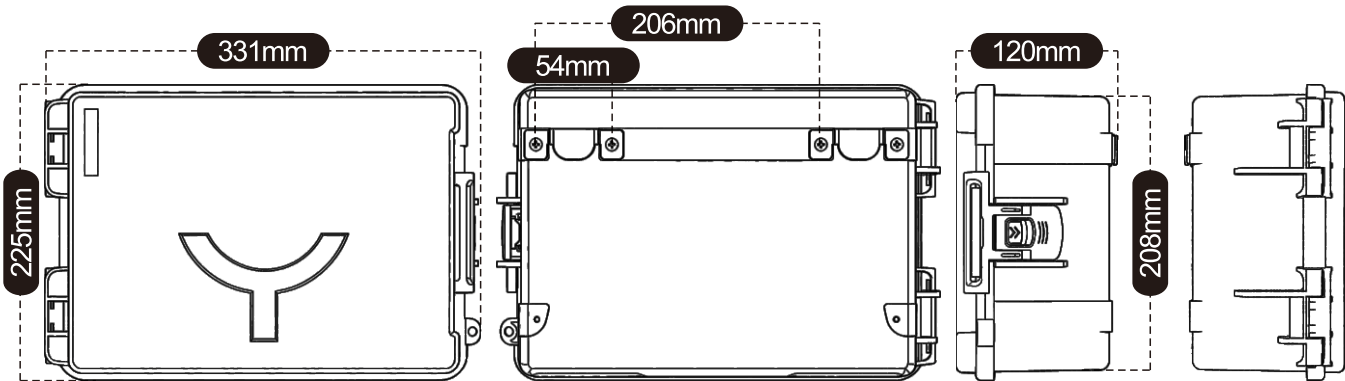


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                   |                  |
|----------------------------------------|-------------------|------------------|
| Model                                  | LQX-N5/5DC500VBB  | LQX-N5/5DC600VLL |
| String                                 | 5 in 5 out        |                  |
| Rated Voltage Ue (V)                   | DC 500            | DC 600           |
| Rated current In(A)                    | 16~125            | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68 |                  |
| Protection Level                       | IP68              |                  |
| Impact Level                           | IK10              |                  |
| Box Material                           | PC                |                  |
| Operating Temperature                  | -25 °C ~ +60°C    |                  |
| Humidity                               | ≤95%              |                  |
| Connector                              | MC4 or PG         |                  |
| Installation                           | Wall Mounting     |                  |
| Altitude                               | 2000m             |                  |
| Dimension (without mounting connector) | 225*331*120mm     |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |



LQX-N6/6

CE ISO IEC IP68

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# Circuit Breaker Box

## DC 500/600V 6 in 6 out



LQX-N6/6DC500VBB

LQX-N6/6DC600VLL



IP68 outdoor waterproof and sun resistant UV-resistant



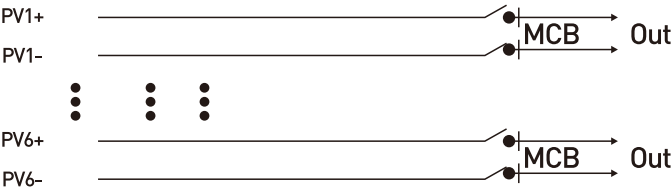
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

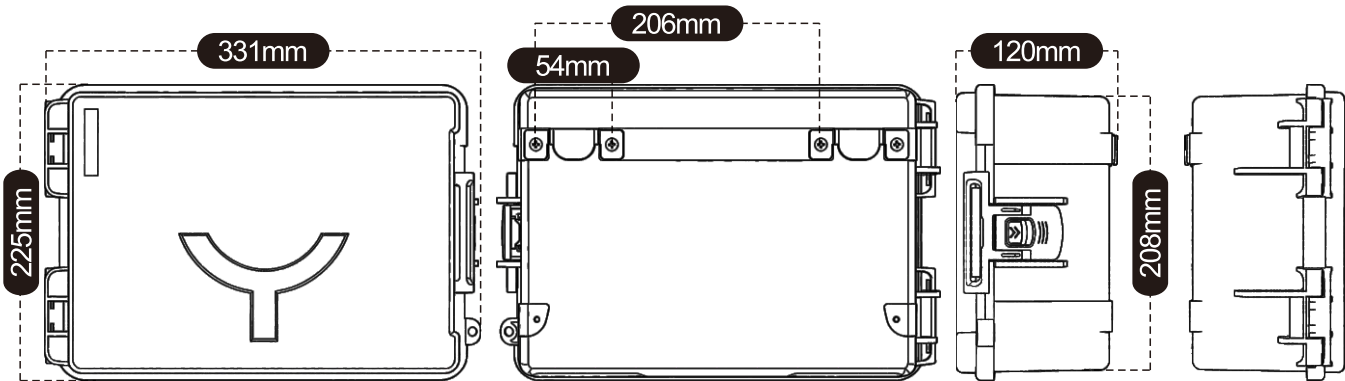


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



#### Technical data

| Model                                  | LQX-N6/6DC500VBB                              | LQX-N6/6DC600VLL |
|----------------------------------------|-----------------------------------------------|------------------|
| String                                 | 6 in 6 out                                    |                  |
| Rated Voltage Ue (V)                   | DC 500                                        | DC 600           |
| Rated current In(A)                    | 16~125                                        | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68                             |                  |
| Protection Level                       | IP68                                          |                  |
| Impact Level                           | IK10                                          |                  |
| Box Material                           | PC                                            |                  |
| Operating Temperature                  | -25 °C ~ +60°C                                |                  |
| Humidity                               | ≤95%                                          |                  |
| Connector                              | MC4 or PG                                     |                  |
| Installation                           | Wall Mounting                                 |                  |
| Altitude                               | 2000m                                         |                  |
| Dimension (without mounting connector) | 225*331*120mm(16~63A), 425*331*120mm(80~125A) |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |

LQX-N7/7

CE  IEC IP68

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# Circuit Breaker Box

## DC 500/600V 7 in 7 out



LQX-N7/7DC500VBB

LQX-N7/7DC600VLL



IP68 outdoor waterproof and sun resistant UV-resistant



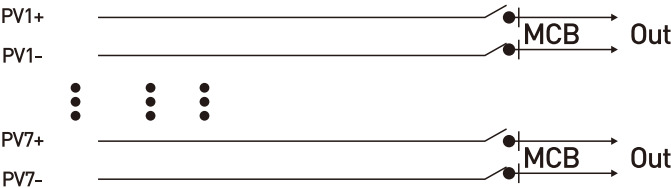
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

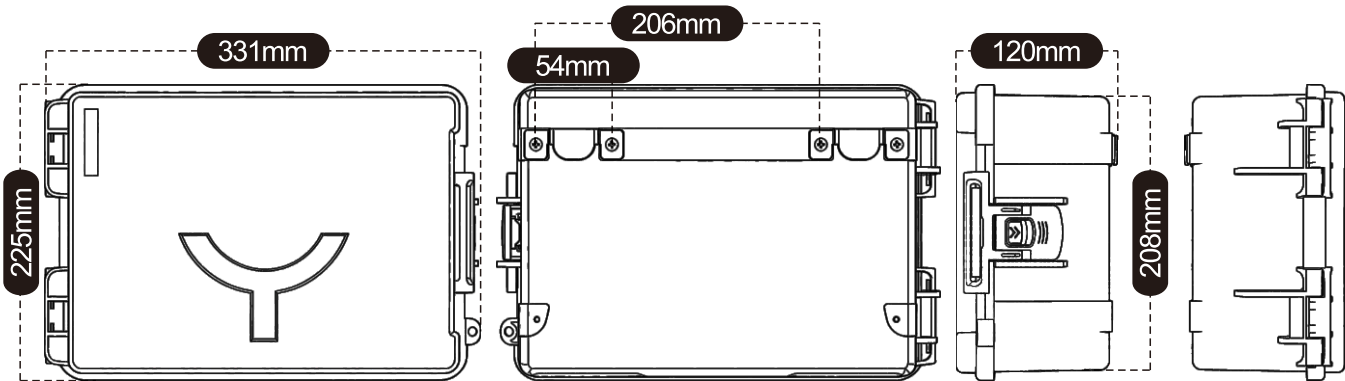


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                                              |                  |
|----------------------------------------|----------------------------------------------|------------------|
| Model                                  | LQX-N7/7DC500VBB                             | LQX-N7/7DC600VLL |
| String                                 | 7 in 7 out                                   |                  |
| Rated Voltage Ue (V)                   | DC 500                                       | DC 600           |
| Rated current In(A)                    | 16~125                                       | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68                            |                  |
| Protection Level                       | IP68                                         |                  |
| Impact Level                           | IK10                                         |                  |
| Box Material                           | PC                                           |                  |
| Operating Temperature                  | -25 °C ~ +60°C                               |                  |
| Humidity                               | ≤95%                                         |                  |
| Connector                              | MC4 or PG                                    |                  |
| Installation                           | Wall Mounting                                |                  |
| Altitude                               | 2000m                                        |                  |
| Dimension (without mounting connector) | 225*331*120mm(16~63A),425*331*120mm(80~125A) |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |

LQX-N8/8

CE ISO IEC IP68

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# Circuit Breaker Box

## DC 500/600V 8 in 8 out



LQX-N8/8DC500VBB

LQX-N8/8DC600VLL



IP68 outdoor waterproof and sun resistant UV-resistant



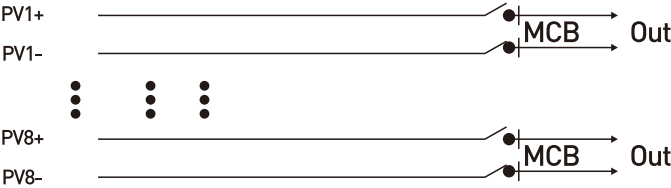
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

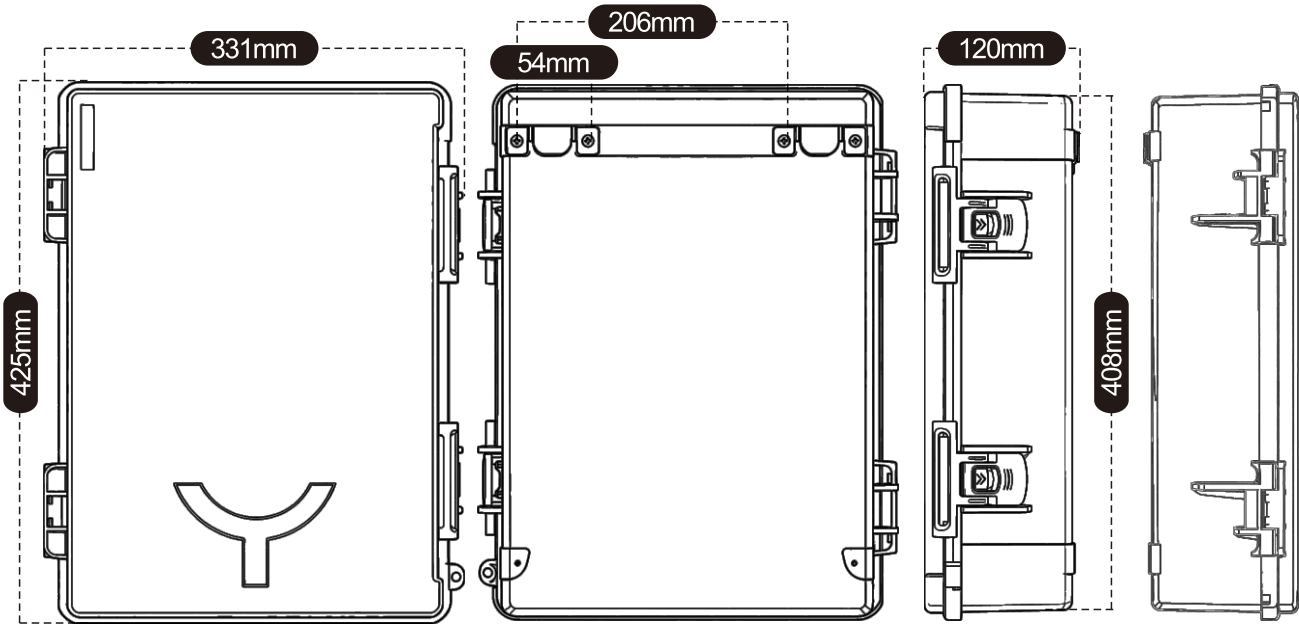


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                   |                  |
|----------------------------------------|-------------------|------------------|
| Model                                  | LQX-N8/8DC500VBB  | LQX-N8/8DC600VLL |
| String                                 | 8 in 8 out        |                  |
| Rated Voltage Ue (V)                   | DC 500            | DC 600           |
| Rated current In(A)                    | 16~125            | 16~63            |
| Quality Certificate                    | CE, ISO9001, IP68 |                  |
| Protection Level                       | IP68              |                  |
| Impact Level                           | IK10              |                  |
| Box Material                           | PC                |                  |
| Operating Temperature                  | -25 °C ~ +60°C    |                  |
| Humidity                               | ≤95%              |                  |
| Connector                              | MC4 or PG         |                  |
| Installation                           | Wall Mounting     |                  |
| Altitude                               | 2000m             |                  |
| Dimension (without mounting connector) | 425*331*120mm     |                  |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |



LQX-N10/10

CE



IEC

IP68

# Circuit Breaker Box

## DC 500/600V 10 in 10 out



LQX-N10/10DC500VBB

LQX-N10/10DC600VLL

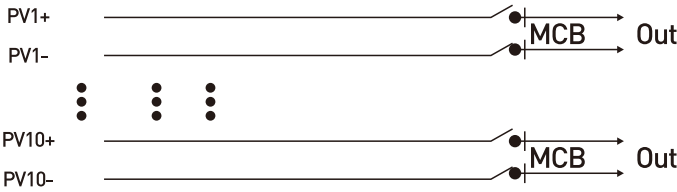
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IP68 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

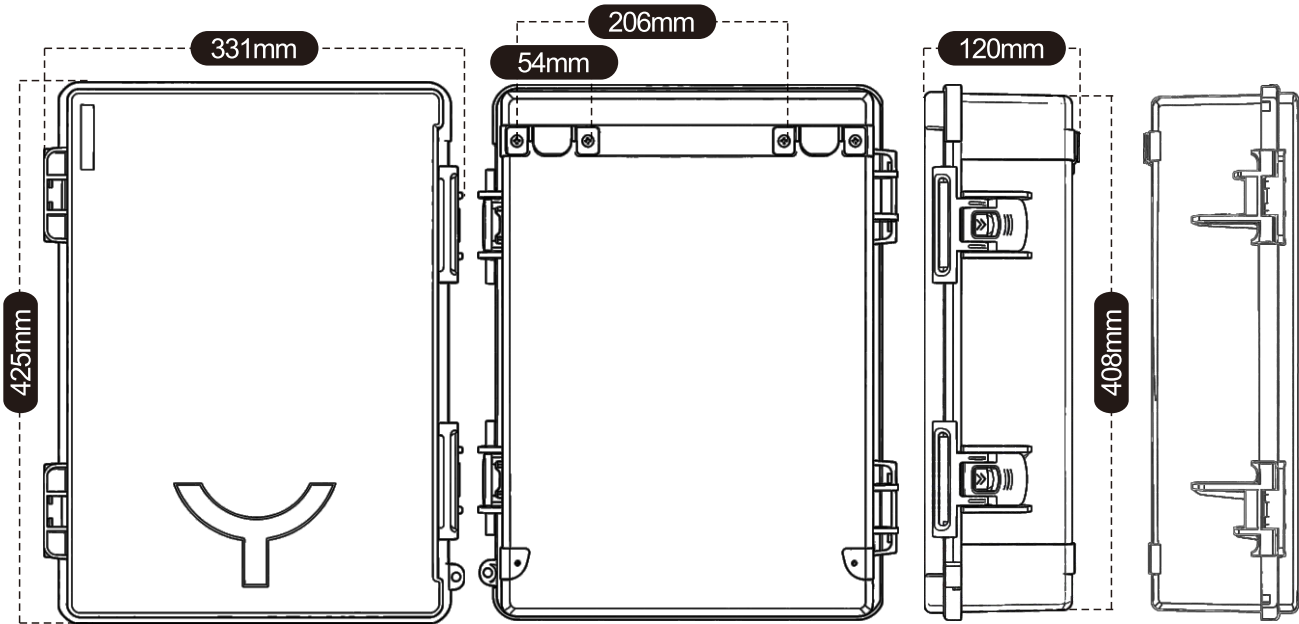
PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                    |                    |
|----------------------------------------|--------------------|--------------------|
| Model                                  | LQX-N10/10DC500VBB | LQX-N10/10DC600VLL |
| String                                 | 10 in 10 out       |                    |
| Rated Voltage Ue (V)                   | DC 500             | DC 600             |
| Rated current In(A)                    | 16~125             | 16~63              |
| Quality Certificate                    | CE, ISO9001, IP68  |                    |
| Protection Level                       | IP68               |                    |
| Impact Level                           | IK10               |                    |
| Box Material                           | PC                 |                    |
| Operating Temperature                  | -25 °C ~ +60°C     |                    |
| Humidity                               | ≤95%               |                    |
| Connector                              | MC4 or PG          |                    |
| Installation                           | Wall Mounting      |                    |
| Altitude                               | 2000m              |                    |
| Dimension (without mounting connector) | 425*331*120mm      |                    |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |

LQX-N12/12

CE  IEC IP68

Circuit Breaker Box

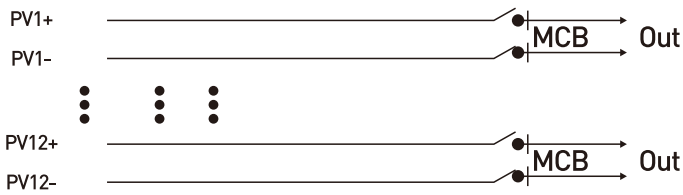
DC 500/600V 12 in 12 out



LQX-N12/12DC500VBB

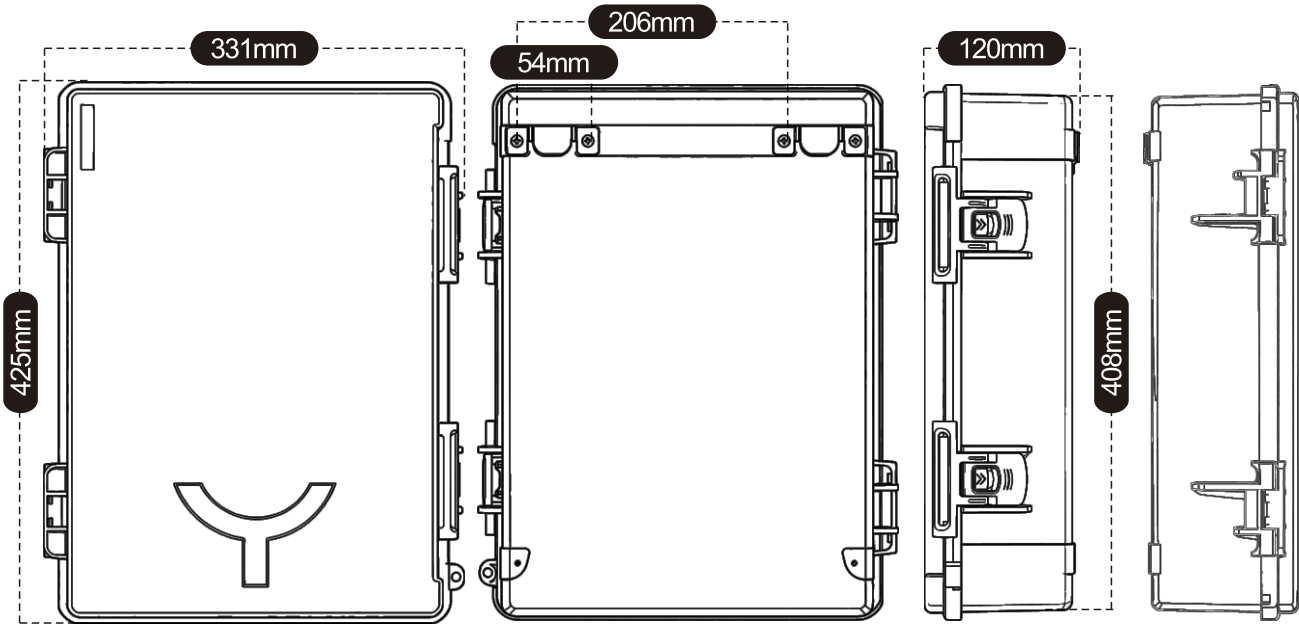
LQX-N12/12DC600VLL

-  IP68 outdoor waterproof and sun resistant UV-resistant
-  Short-circuit protection, overload protection, Isolation circuit
-  PC housing, IK10 impact resistance, flame retardant, corrosion resistant
-  OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



| Technical data                         |                    |                    |
|----------------------------------------|--------------------|--------------------|
| Model                                  | LQX-N12/12DC500VBB | LQX-N12/12DC600VLL |
| String                                 | 12 in 12 out       |                    |
| Rated Voltage Ue (V)                   | DC 500             | DC 600             |
| Rated current In(A)                    | 16~125             | 16~63              |
| Quality Certificate                    | CE, ISO9001, IP68  |                    |
| Protection Level                       | IP68               |                    |
| Impact Level                           | IK10               |                    |
| Box Material                           | PC                 |                    |
| Operating Temperature                  | -25 °C ~ +60°C     |                    |
| Humidity                               | ≤95%               |                    |
| Connector                              | MC4 or PG          |                    |
| Installation                           | Wall Mounting      |                    |
| Altitude                               | 2000m              |                    |
| Dimension (without mounting connector) | 425*331*120mm      |                    |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |

LQX-N14/14

CE



IEC

IP68

# Circuit Breaker Box

## DC 500/600V 14 in 14 out



LQX-N14/14DC500VBB

LQX-N14/14DC600VLL

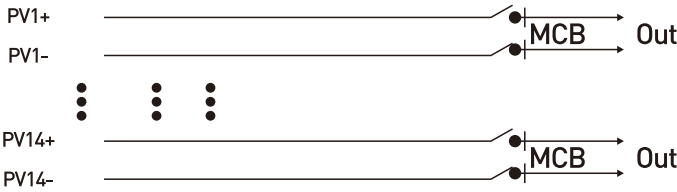
- 

IP68 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

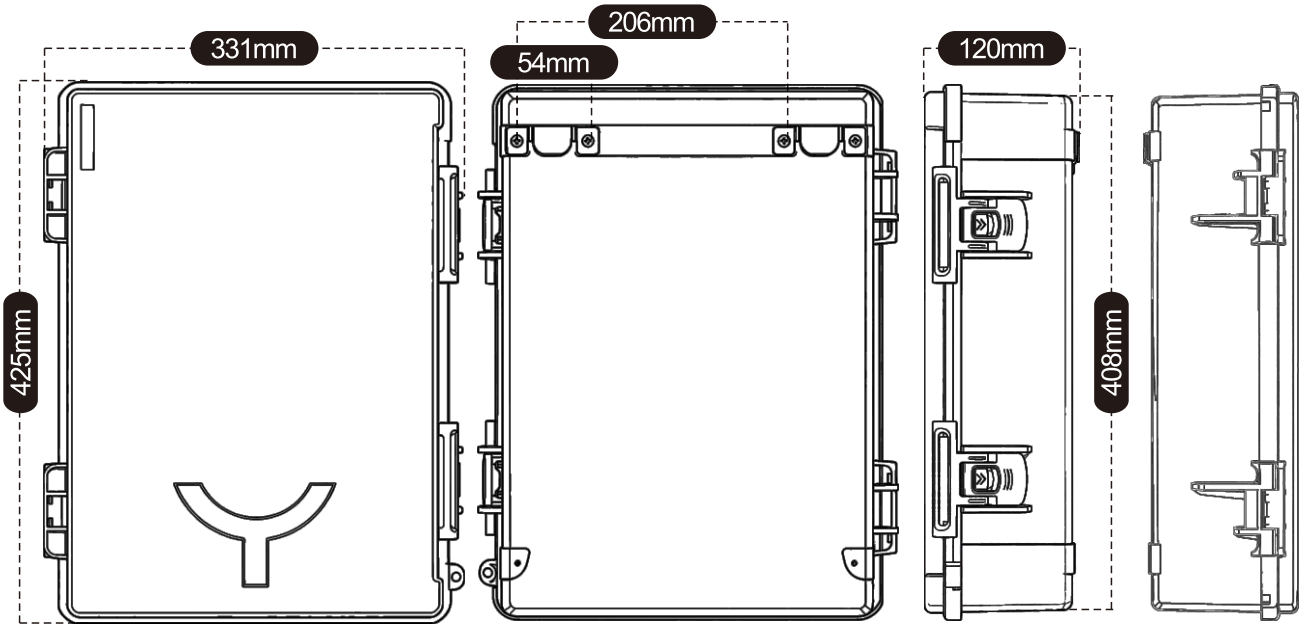
PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

### Product Dimension Drawing (mm)



| Technical data                         |                    |                    |
|----------------------------------------|--------------------|--------------------|
| Model                                  | LQX-N14/14DC500VBB | LQX-N14/14DC600VLL |
| String                                 | 14 in 14 out       |                    |
| Rated Voltage Ue (V)                   | DC 500             | DC 600             |
| Rated current In(A)                    | 16~125             | 16~63              |
| Quality Certificate                    | CE, ISO9001, IP68  |                    |
| Protection Level                       | IP68               |                    |
| Impact Level                           | IK10               |                    |
| Box Material                           | PC                 |                    |
| Operating Temperature                  | -25 °C ~ +60°C     |                    |
| Humidity                               | ≤95%               |                    |
| Connector                              | MC4 or PG          |                    |
| Installation                           | Wall Mounting      |                    |
| Altitude                               | 2000m              |                    |
| Dimension (without mounting connector) | 425*331*120mm      |                    |

| MCB(B1)              |                                 | MCB(L7)              |                      |
|----------------------|---------------------------------|----------------------|----------------------|
| Rated Voltage Ue (V) | DC500                           | Rated Voltage Ue (V) | DC600                |
| Ui (V)               | DC1000                          | Ui (V)               | DC1200               |
| Rated Current In(A)  | 16/20/25/32/40/50/63/80/100/125 | Rated Current In(A)  | 16/20/25/32/40/50/63 |
| Icu (kA)             | 6                               | Icu (kA)             | 6                    |
| standard             | IEC 60947-2                     | standard             | IEC 60947-2          |



LQX-N1/1

TÜV Rheinland CE ISO 9001 RoHS IEC UKCA CB IP68

# Circuit Breaker(Disconnect) Box

## DC 1000/1200V 1 in 1 out



LQX-N1/1DC1200VQQ



LQX-N1/1DC1000VBB



LQX-N1/1DC1200VLL

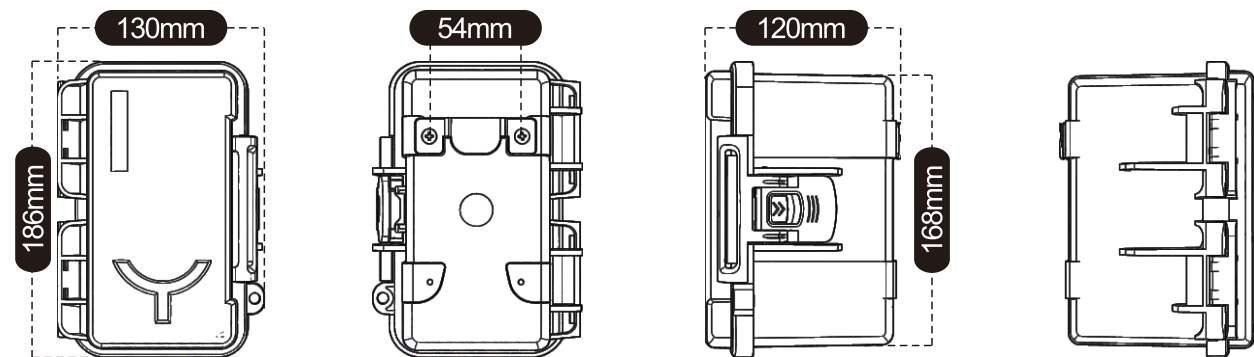
- IP68 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
QS: Switch-Disconnect Isolator

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### Product Dimension Drawing (mm)



| Technical data                         |                                              |         |         |
|----------------------------------------|----------------------------------------------|---------|---------|
| Model                                  | LQX-N1/1DC1200VQQ                            | 1000VBB | 1200VLL |
| String                                 | 1 in 1 out                                   |         |         |
| Rated Voltage Ue (V)                   | DC 1200                                      | DC 1000 | DC 1200 |
| Rated current In(A)                    | 32                                           | 16~125  | 16~63   |
| Quality Certificate                    | TUV,CE,ISO9001,RoHS,UKCA,CB,IP68             |         |         |
| Protection Level                       | IP68                                         |         |         |
| Impact Level                           | IK10                                         |         |         |
| Box Material                           | PC                                           |         |         |
| Operating Temperature                  | -25 °C ~ +60°C                               |         |         |
| Humidity                               | ≤95%                                         |         |         |
| Connector                              | MC4 or PG                                    |         |         |
| Installation                           | Wall Mounting                                |         |         |
| Altitude                               | 2000m                                        |         |         |
| Dimension (without mounting connector) | 186*130*120mm(16~63A),225*220*120mm(80~125A) |         |         |

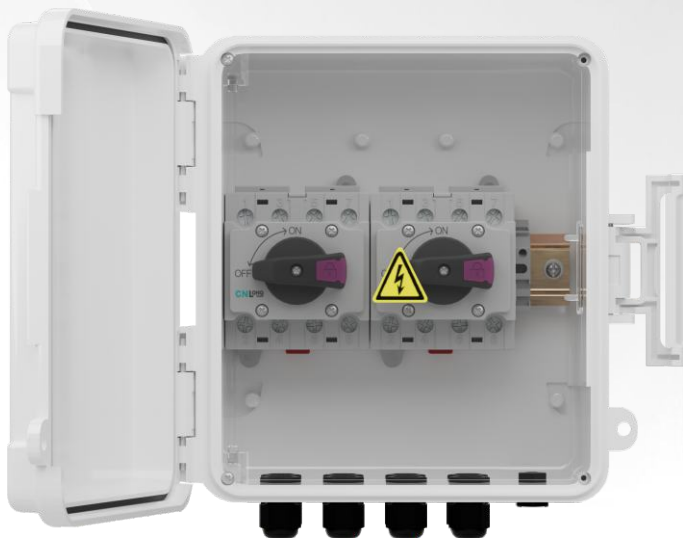
|                      | QS          | MCB(B1)                         | MCB(L7)              |
|----------------------|-------------|---------------------------------|----------------------|
| Rated Voltage Ue (V) | DC1200      | DC1000                          | DC1200               |
| Ui (V)               | DC1500      | DC1000                          | DC1200               |
| Rated Current In(A)  | 32          | 16/20/25/32/40/50/63/80/100/125 | 16/20/25/32/40/50/63 |
| Icu (kA)             | /           | 6                               | 6                    |
| standard             | IEC 60947-3 | IEC 60947-2                     | IEC 60947-2          |

LQX-N2/2

TÜV Rheinland CE ISO 9001 RoHS IEC UKCA CB IP68

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Circuit Breaker(Disconnect) Box  
DC 1000/1200V 2 in 2 out



LQX-N2/2DC1200VQQ

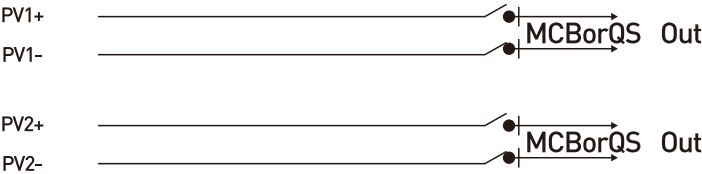


LQX-N2/2DC1000VBB



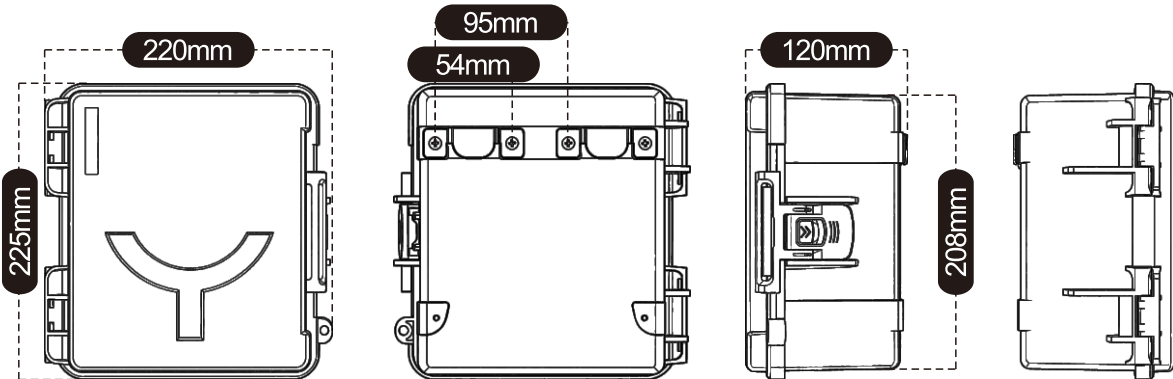
LQX-N2/2DC1200VLL

- IP68 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
QS: Switch-Disconnect Isolator

Product Dimension Drawing (mm)



| Technical data                         |                                              |         |         |
|----------------------------------------|----------------------------------------------|---------|---------|
| Model                                  | LQX-N2/2DC1200VQQ                            | 1000VBB | 1200VLL |
| String                                 | 2 in 2 out                                   |         |         |
| Rated Voltage Ue (V)                   | DC 1200                                      | DC 1000 | DC 1200 |
| Rated current In(A)                    | 32                                           | 16~125  | 16~63   |
| Quality Certificate                    | TUV,CE,ISO9001,RoHS,UKCA,CB,IP68             |         |         |
| Protection Level                       | IP68                                         |         |         |
| Impact Level                           | IK10                                         |         |         |
| Box Material                           | PC                                           |         |         |
| Operating Temperature                  | -25 °C ~ +60°C                               |         |         |
| Humidity                               | ≤95%                                         |         |         |
| Connector                              | MC4 or PG                                    |         |         |
| Installation                           | Wall Mounting                                |         |         |
| Altitude                               | 2000m                                        |         |         |
| Dimension (without mounting connector) | 225*220*120mm(16~63A),225*331*120mm(80~125A) |         |         |

|                      | QS          | MCB(B1)                         | MCB(L7)              |
|----------------------|-------------|---------------------------------|----------------------|
| Rated Voltage Ue (V) | DC1200      | DC1000                          | DC1200               |
| Ui (V)               | DC1500      | DC1000                          | DC1200               |
| Rated Current In(A)  | 32          | 16/20/25/32/40/50/63/80/100/125 | 16/20/25/32/40/50/63 |
| Icu (kA)             | /           | 6                               | 6                    |
| standard             | IEC 60947-3 | IEC 60947-2                     | IEC 60947-2          |

LQX-N3/3

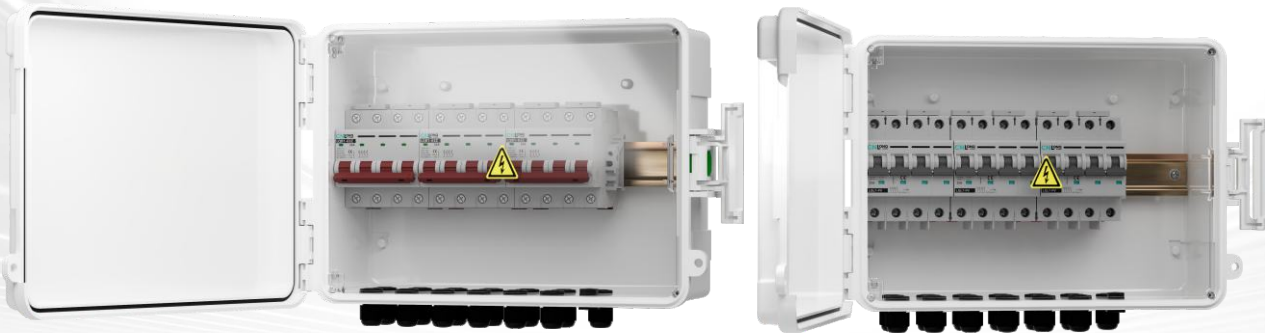
TÜV Rheinland CE ISO 9001 RoHS IEC UKCA CB IP68

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Circuit Breaker(Disconnect) Box  
DC 1000/1200V 3 in 3 out



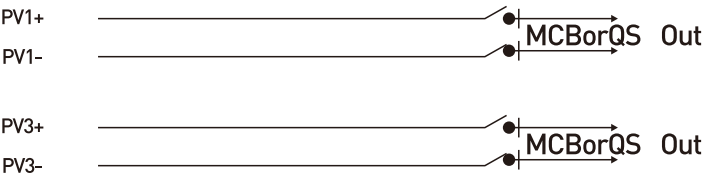
LQX-N3/3DC1200VQQ



LQX-N3/3DC1000VBB

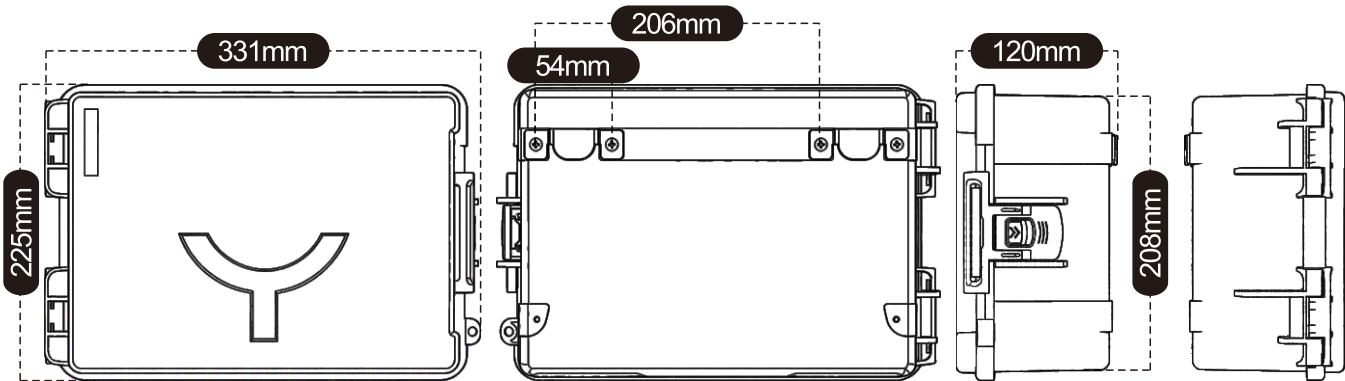
LQX-N3/3DC1200VLL

- IP68 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
QS: Switch-Disconnect Isolator

Product Dimension Drawing (mm)



| Technical data                         |                                              |         |         |
|----------------------------------------|----------------------------------------------|---------|---------|
| Model                                  | LQX-N3/3DC1200VQQ                            | 1000VBB | 1200VLL |
| String                                 | 3 in 3 out                                   |         |         |
| Rated Voltage Ue (V)                   | DC 1200                                      | DC 1000 | DC 1200 |
| Rated current In(A)                    | 32                                           | 16~125  | 16~63   |
| Quality Certificate                    | TUV,CE,ISO9001,RoHS,UKCA,CB,IP68             |         |         |
| Protection Level                       | IP68                                         |         |         |
| Impact Level                           | IK10                                         |         |         |
| Box Material                           | PC                                           |         |         |
| Operating Temperature                  | -25 °C ~ +60°C                               |         |         |
| Humidity                               | ≤95%                                         |         |         |
| Connector                              | MC4 or PG                                    |         |         |
| Installation                           | Wall Mounting                                |         |         |
| Altitude                               | 2000m                                        |         |         |
| Dimension (without mounting connector) | 225*331*120mm(16~63A),425*331*120mm(80~125A) |         |         |

|                      | QS          | MCB(B1)                         | MCB(L7)              |
|----------------------|-------------|---------------------------------|----------------------|
| Rated Voltage Ue (V) | DC1200      | DC1000                          | DC1200               |
| Ui (V)               | DC1500      | DC1000                          | DC1200               |
| Rated Current In(A)  | 32          | 16/20/25/32/40/50/63/80/100/125 | 16/20/25/32/40/50/63 |
| Icu (kA)             | /           | 6                               | 6                    |
| standard             | IEC 60947-3 | IEC 60947-2                     | IEC 60947-2          |



LQX-N4/4

TÜV Rheinland CE ISO 9001 RoHS IEC UKCA CB IP68

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# Circuit Breaker(Disconnect) Box

## DC 1000/1200V 4 in 4 out



LQX-N4/4DC1200VQQ



LQX-N4/4DC1000VBB



LQX-N4/4DC1200VLL



IP68 outdoor waterproof and sun resistant UV-resistant



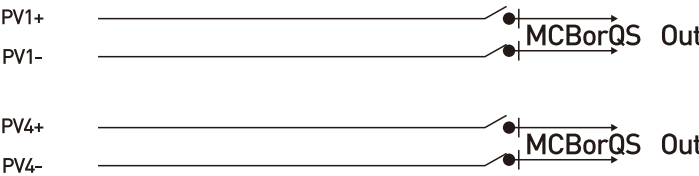
Short-circuit protection, overload protection, Isolation circuit



PC housing, IK10 impact resistance, flame retardant, corrosion resistant

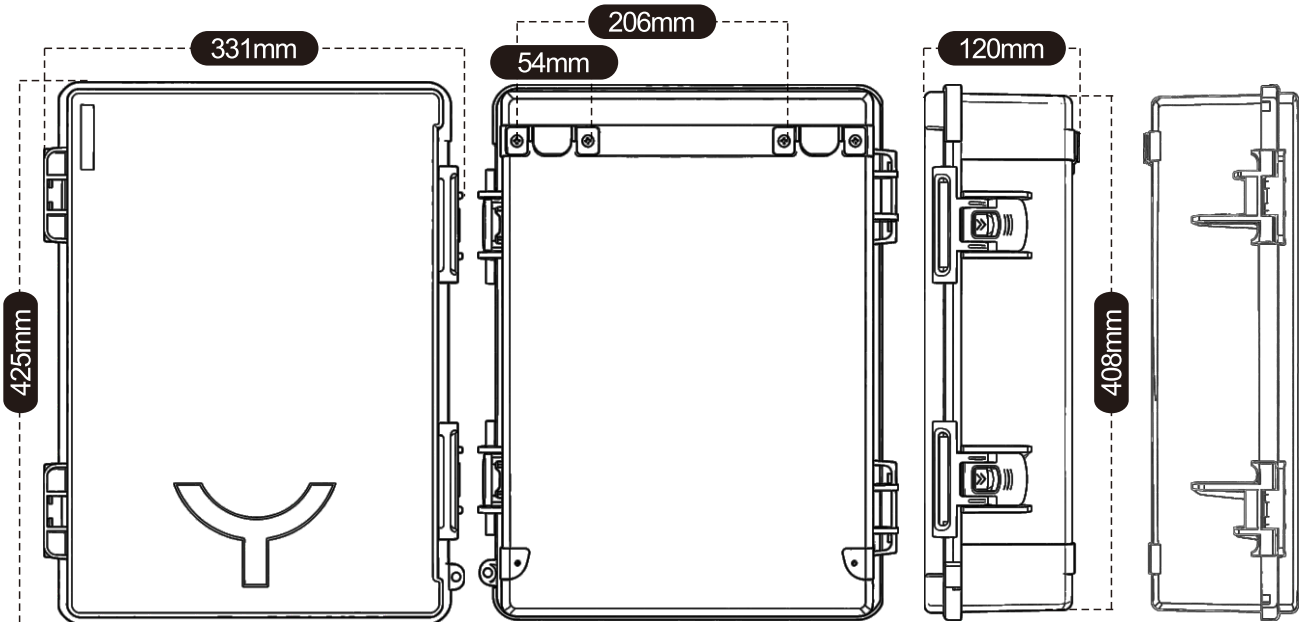


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
QS: Switch-Disconnect Isolator

### Product Dimension Drawing (mm)



| Technical data                         |                                  |         |         |
|----------------------------------------|----------------------------------|---------|---------|
| Model                                  | LQX-N4/4DC1200VQQ                | 1000VBB | 1200VLL |
| String                                 | 4 in 4 out                       |         |         |
| Rated Voltage Ue (V)                   | DC 1200                          | DC 1000 | DC 1200 |
| Rated current In(A)                    | 32                               | 16~125  | 16~63   |
| Quality Certificate                    | TUV,CE,ISO9001,RoHS,UKCA,CB,IP68 |         |         |
| Protection Level                       | IP68                             |         |         |
| Impact Level                           | IK10                             |         |         |
| Box Material                           | PC                               |         |         |
| Operating Temperature                  | -25 °C ~ +60°C                   |         |         |
| Humidity                               | ≤95%                             |         |         |
| Connector                              | MC4 or PG                        |         |         |
| Installation                           | Wall Mounting                    |         |         |
| Altitude                               | 2000m                            |         |         |
| Dimension (without mounting connector) | 425*331*120mm                    |         |         |

|                      | QS          | MCB(B1)                         | MCB(L7)              |
|----------------------|-------------|---------------------------------|----------------------|
| Rated Voltage Ue (V) | DC1200      | DC1000                          | DC1200               |
| Ui (V)               | DC1500      | DC1000                          | DC1200               |
| Rated Current In(A)  | 32          | 16/20/25/32/40/50/63/80/100/125 | 16/20/25/32/40/50/63 |
| Icu (kA)             | /           | 6                               | 6                    |
| standard             | IEC 60947-3 | IEC 60947-2                     | IEC 60947-2          |

LQX-N5/5

TÜV Rheinland CE ISO 9001 RoHS IEC UK CA CB IP68

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Circuit Breaker(Disconnect) Box  
DC 1000/1200V 5 in 5 out



LQX-N5/5DC1200VQQ

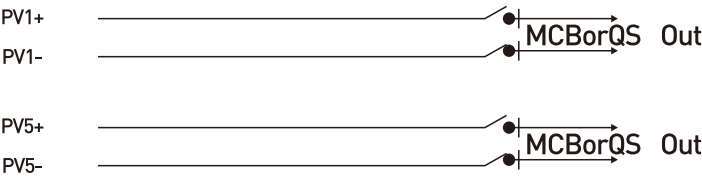


LQX-N5/5DC1000VBB



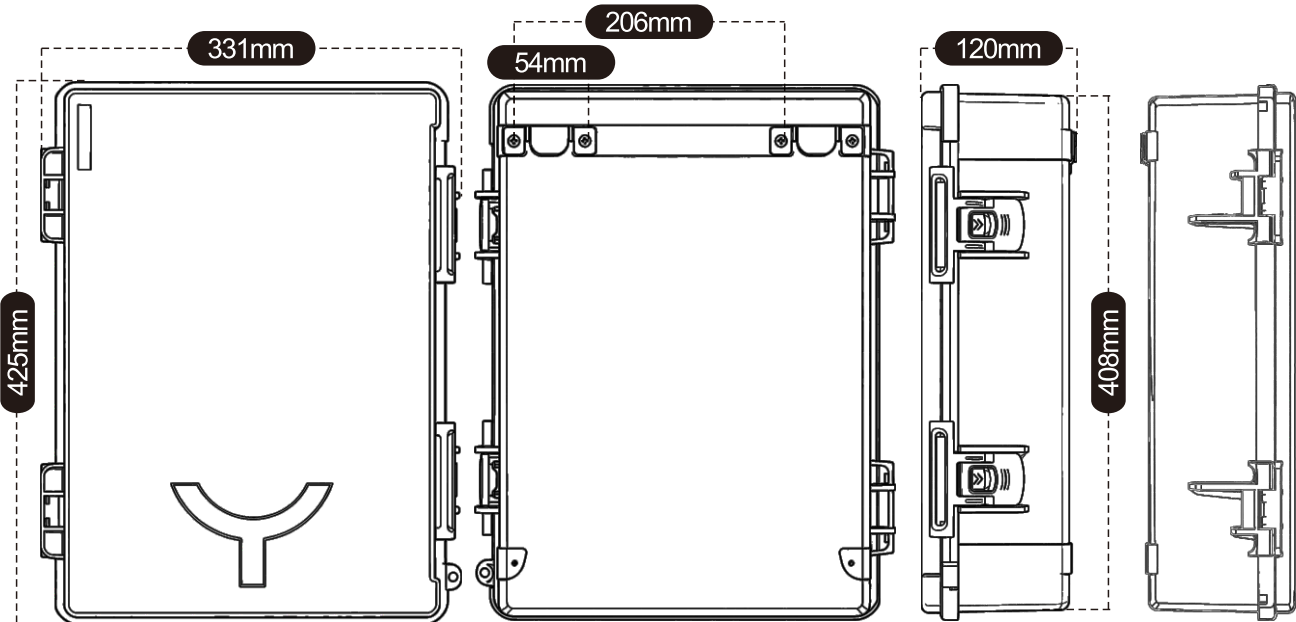
LQX-N5/5DC1200VLL

- IP68 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
QS: Switch-Disconnect Isolator

Product Dimension Drawing (mm)



| Technical data                         |                                  |         |         |
|----------------------------------------|----------------------------------|---------|---------|
| Model                                  | LQX-N5/5DC1200VQQ                | 1000VBB | 1200VLL |
| String                                 | 5 in 5 out                       |         |         |
| Rated Voltage Ue (V)                   | DC 1200                          | DC 1000 | DC 1200 |
| Rated current In(A)                    | 32                               | 16~125  | 16~63   |
| Quality Certificate                    | TUV,CE,ISO9001,RoHS,UKCA,CB,IP68 |         |         |
| Protection Level                       | IP68                             |         |         |
| Impact Level                           | IK10                             |         |         |
| Box Material                           | PC                               |         |         |
| Operating Temperature                  | -25 °C ~ +60°C                   |         |         |
| Humidity                               | ≤95%                             |         |         |
| Connector                              | MC4 or PG                        |         |         |
| Installation                           | Wall Mounting                    |         |         |
| Altitude                               | 2000m                            |         |         |
| Dimension (without mounting connector) | 425*331*120mm                    |         |         |

|                      | QS          | MCB(B1)                         | MCB(L7)              |
|----------------------|-------------|---------------------------------|----------------------|
| Rated Voltage Ue (V) | DC1200      | DC1000                          | DC1200               |
| Ui (V)               | DC1500      | DC1000                          | DC1200               |
| Rated Current In(A)  | 32          | 16/20/25/32/40/50/63/80/100/125 | 16/20/25/32/40/50/63 |
| Icu (kA)             | /           | 6                               | 6                    |
| standard             | IEC 60947-3 | IEC 60947-2                     | IEC 60947-2          |

LQX-N6/6

TÜV Rheinland CE ISO 9001 RoHS IEC UK CA CB IP68

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Circuit Breaker(Disconnect) Box  
DC 1000/1200V 6 in 6 out



LQX-N6/6DC1200VQQ

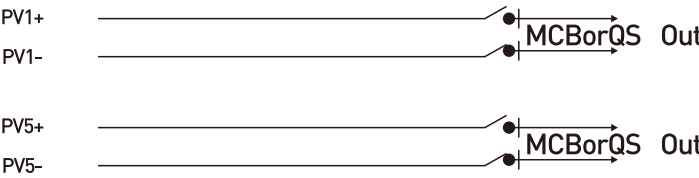


LQX-N6/6DC1000VBB



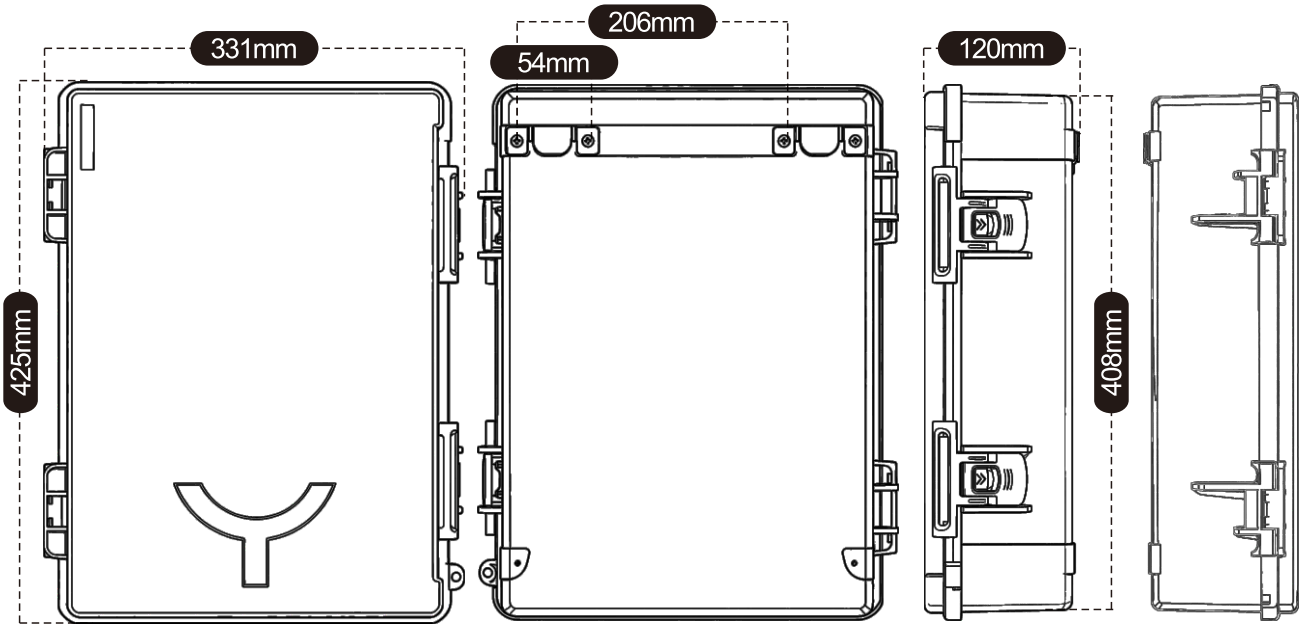
LQX-N6/6DC1200VLL

- IP68 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC housing, IK10 impact resistance, flame retardant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
QS: Switch-Disconnect Isolator

Product Dimension Drawing (mm)



| Technical data                         |                                  |         |         |
|----------------------------------------|----------------------------------|---------|---------|
| Model                                  | LQX-N6/6DC1200VQQ                | 1000VBB | 1200VLL |
| String                                 | 6 in 6 out                       |         |         |
| Rated Voltage Ue (V)                   | DC 1200                          | DC 1000 | DC 1200 |
| Rated current In(A)                    | 32                               | 16~125  | 16~63   |
| Quality Certificate                    | TUV,CE,ISO9001,RoHS,UKCA,CB,IP68 |         |         |
| Protection Level                       | IP68                             |         |         |
| Impact Level                           | IK10                             |         |         |
| Box Material                           | PC                               |         |         |
| Operating Temperature                  | -25 °C ~ +60°C                   |         |         |
| Humidity                               | ≤95%                             |         |         |
| Connector                              | MC4 or PG                        |         |         |
| Installation                           | Wall Mounting                    |         |         |
| Altitude                               | 2000m                            |         |         |
| Dimension (without mounting connector) | 425*331*120mm                    |         |         |

|                      | QS          | MCB(B1)                         | MCB(L7)              |
|----------------------|-------------|---------------------------------|----------------------|
| Rated Voltage Ue (V) | DC1200      | DC1000                          | DC1200               |
| Ui (V)               | DC1500      | DC1000                          | DC1200               |
| Rated Current In(A)  | 32          | 16/20/25/32/40/50/63/80/100/125 | 16/20/25/32/40/50/63 |
| Icu (kA)             | /           | 6                               | 6                    |
| standard             | IEC 60947-3 | IEC 60947-2                     | IEC 60947-2          |