

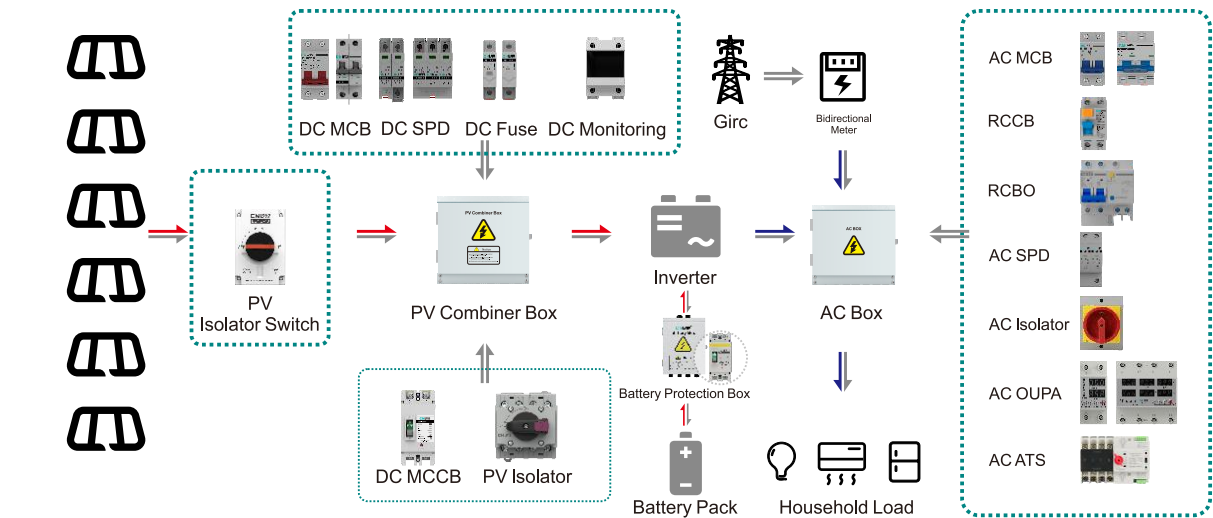
PV Circuit Breaker Box LQX-C Series

Company Profile

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

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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DC500V~1200V 16~125A input1~12 output1~12

CNLONGQ's PV circuit breaker box features a 1~12in (1~12 PV strings) 1~12out (1~12 inverter strings) design. Equipped with a rugged IP65-rated enclosure, it integrates circuit breakers(16~125A) or disconnect switch(32, 63A) 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

- 

IP65/66 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

PC housing, Ik08 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products

LQX-C1/1

CE ISO IEC IP65

CN LONGQ.com

Circuit Breaker Box

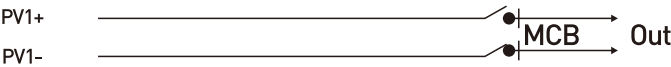
DC 500/600V 1 in 1 out



LQX-C1/1DC500VBB

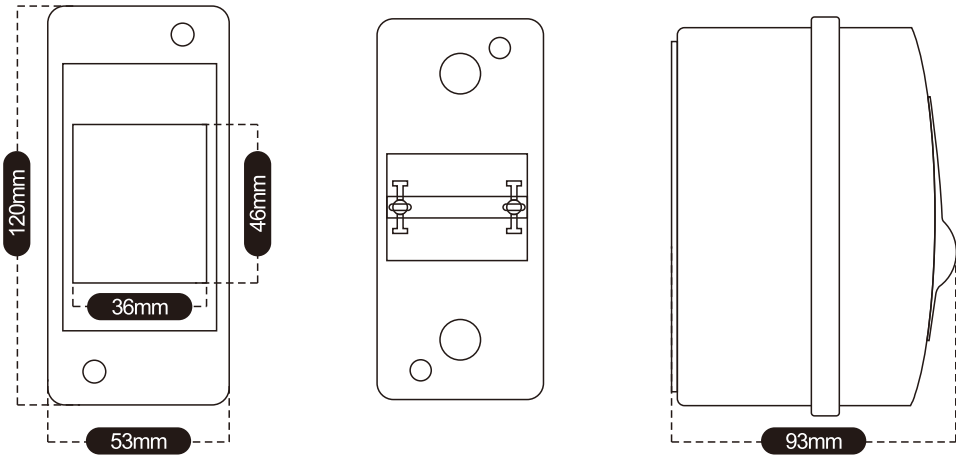
LQX-C1/1DC600VLL

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC+ABS housing, IK08 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-C1/1DC500VBB	LQX-C1/1DC600VLL
String	1 in 1 out	
Rated Voltage Ue (V)	DC 500	DC 600
Rated current In(A)	16~63	16~63
Quality Certificate	CE, ISO9001, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	120*53*93mm	

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	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-C3 1/1

CE ISO 9001 IEC IP66

Circuit Breaker Box

DC 500/600V 1 in 1 out



LQX-C31/1DC500VBB

LQX-C31/1DC600VLL

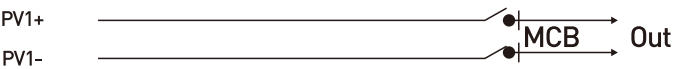
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IP66 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

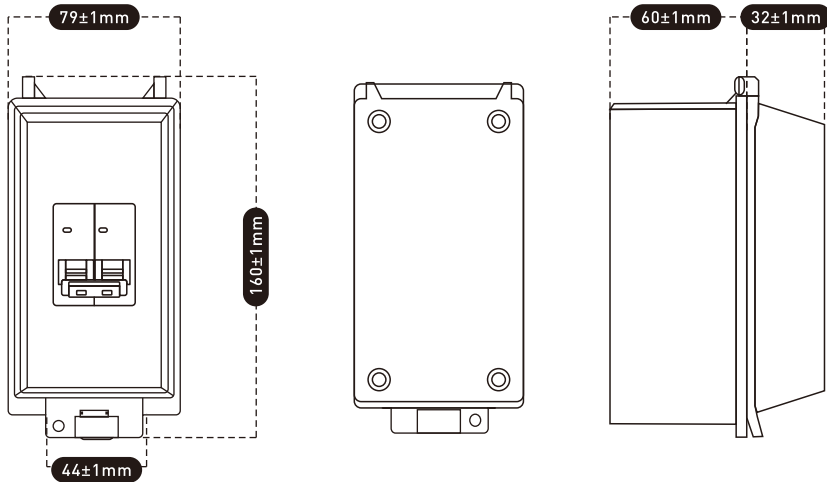
PC+ABS housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C31/1DC500VBB	LQX-C31/1DC600VLL
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, Ip66	
Protection Level	IP66	
Impact Level	IK10	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	160*79*93mm	

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-C2/2

CE



IEC

IP65

Circuit Breaker Box

DC 500/600V 2 in 2 out



LQX-C2/2DC500VBB



LQX-C2/2DC600VLL

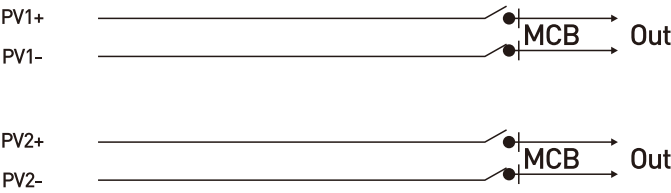
- 

IP65 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

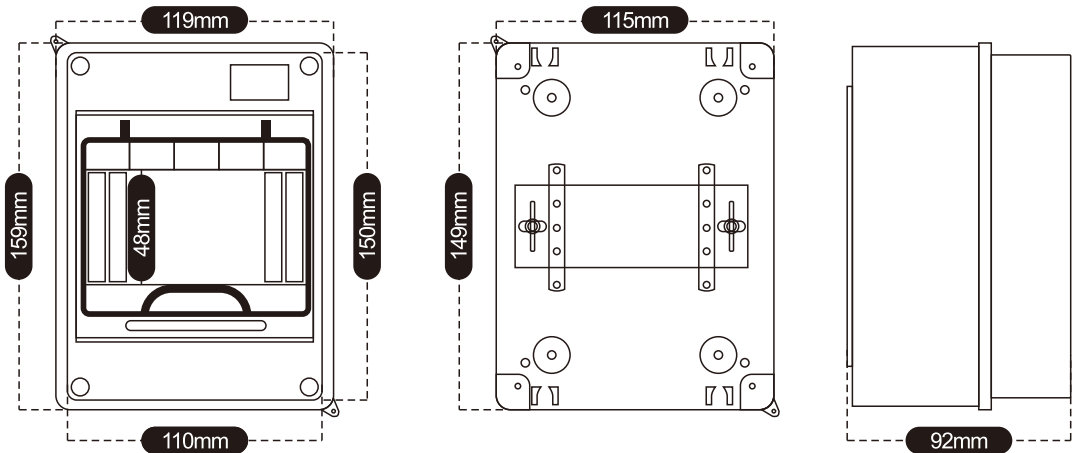
PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C2/2DC500VBB	LQX-C2/2DC600VLL
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, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	159*119*92mm(16~63A), 153*201*92mm(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-C3/3

CE



IEC

IP65

Circuit Breaker Box

DC 500/600V 3 in 3 out



LQX-C3/3DC500VBB

LQX-C3/3DC600VLL



IP65 outdoor waterproof and sun resistant UV-resistant



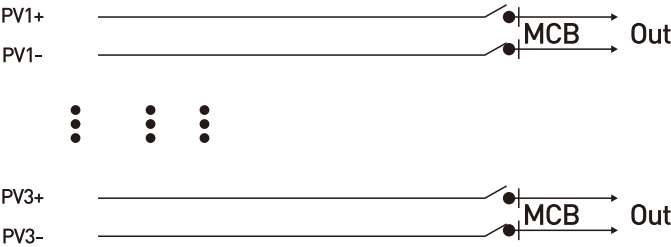
Short-circuit protection, overload protection, Isolation circuit



PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant



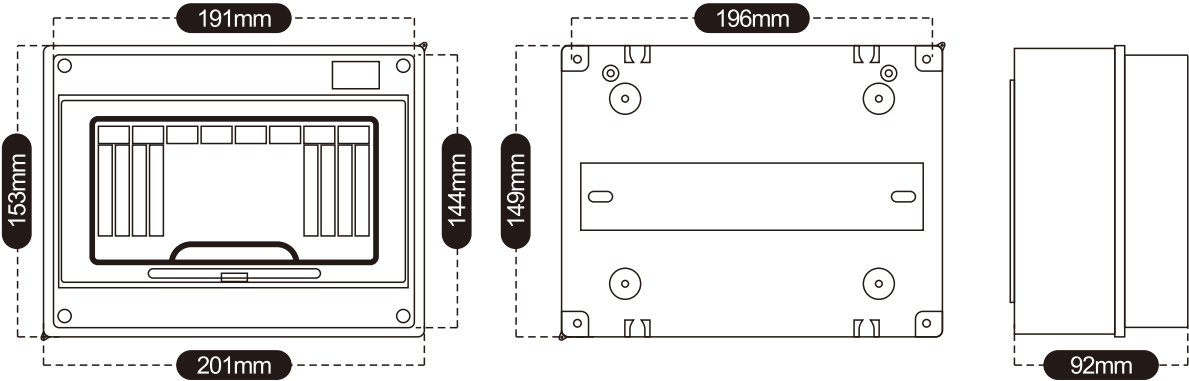
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

CN LONGQ.com

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C3/3DC500VBB	LQX-C3/3DC600VLL
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, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	153*201*92mm(16~63A), 195*254*105mm(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-C4/4

CE ISO 9001 IEC IP65

CNLong.com

Circuit Breaker Box

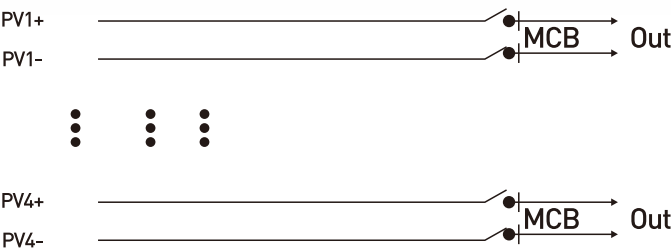
DC 500/600V 4 in 4 out



LQX-C4/4DC500VBB

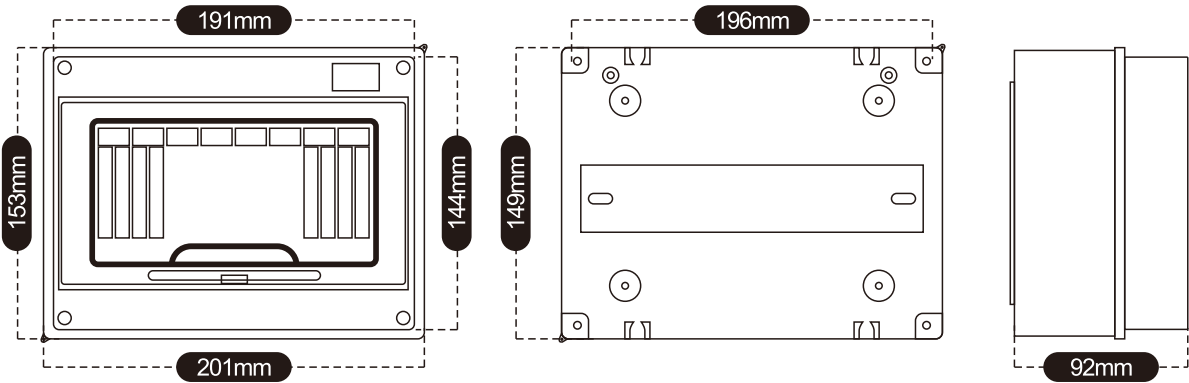
LQX-C4/4DC600VLL

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, Isolation circuit
- PC+ABS housing, IK08 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-C4/4DC500VBB	LQX-C4/4DC600VLL
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, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	153*201*92mm(16~63A), 195*254*105mm(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-C5/5

CE IEC IP65

Circuit Breaker Box

DC 500/600V 5 in 5 out



LQX-C5/5DC500VBB

LQX-C5/5DC600VLL

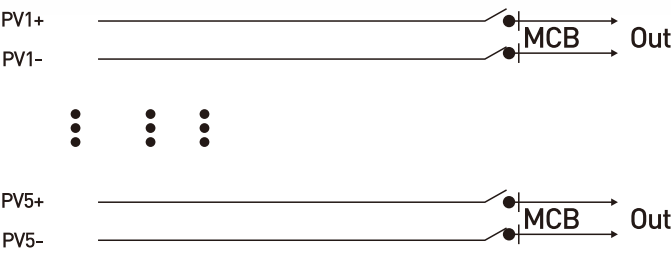
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

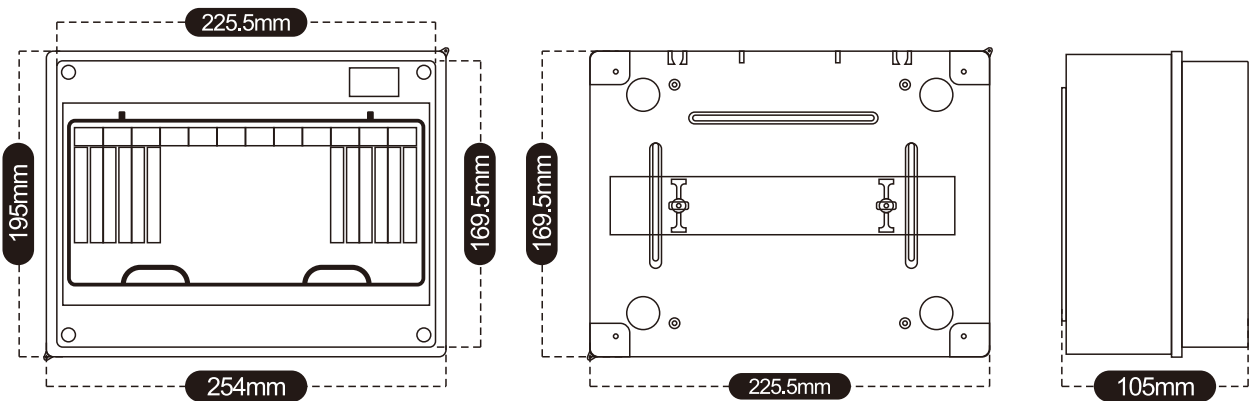
PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C5/5DC500VBB	LQX-C5/5DC600VLL
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, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	195*254*105mm(16~63A), 195*305*105mm(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-C6/6

CE



IEC

IP65

Circuit Breaker Box

DC 500/600V 6 in 6 out



LQX-C6/6DC500VBB

LQX-C6/6DC600VLL

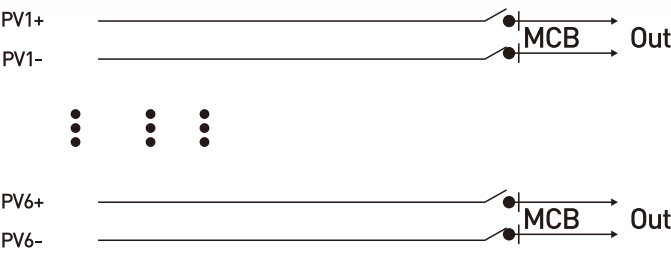
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

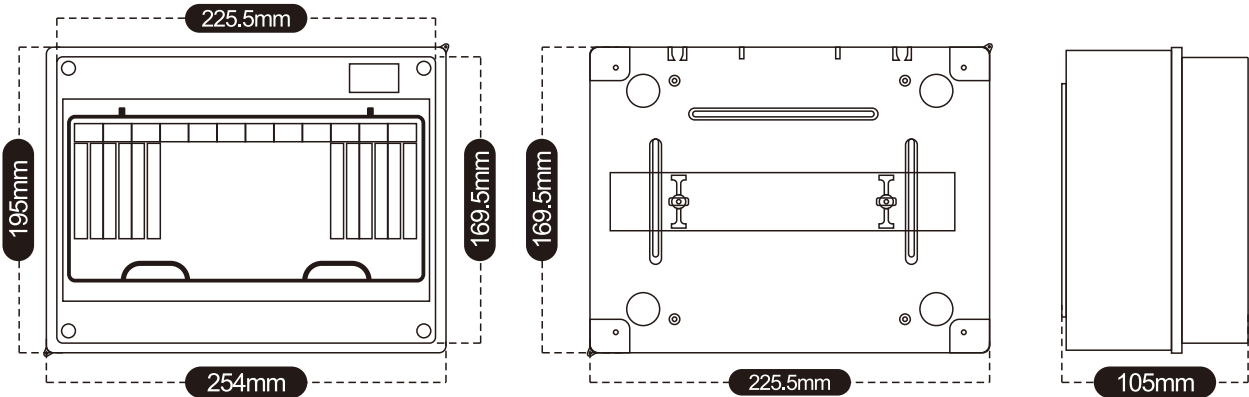
PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C6/6DC500VBB	LQX-C6/6DC600VLL
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, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	195*254*105mm(16~63A), 194*360*105mm(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-C1/1

CE



IEC

IP65

Circuit Breaker Box

DC 1000/1200V 1 in 1 out



LQX-C1/1DC1000VBB



LQX-C1/1DC1200VLL



IP65 outdoor
waterproof and sun
resistant
UV-resistant



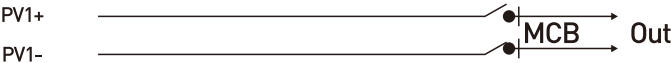
Short-circuit protection,
overload protection,
Isolation circuit



PC+ABS housing,
IK08 impact resistance,
flame retardant,
corrosion resistant

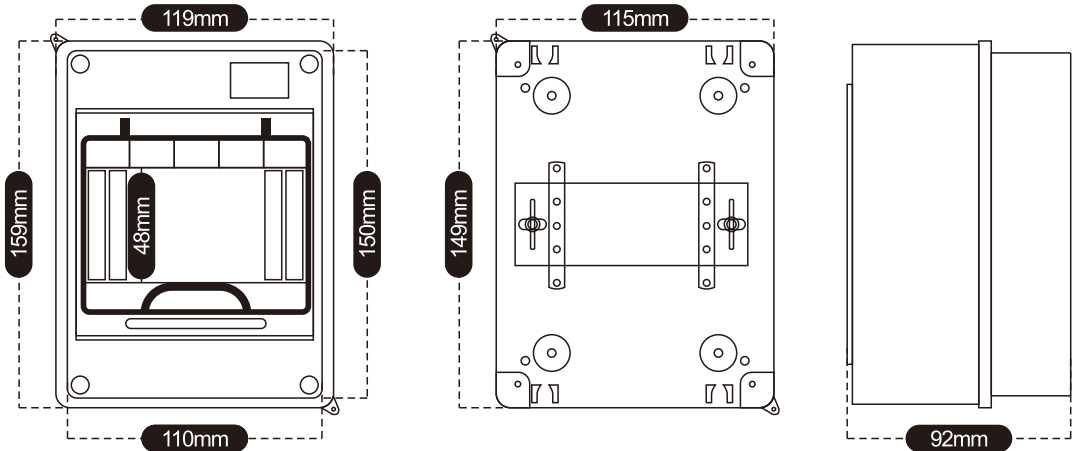


OEM/ODM Free
Customization
for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C1/1DC1000VBB	LQX-C1/1DC1200VLL
String	1 in 1 out	
Rated Voltage Ue (V)	DC 1000	DC 1200
Rated current In(A)	16~125	16~63
Quality Certificate	CE, ISO9001, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	159*119*92mm(16~63A), 153*201*92mm(80~125A)	

MCB(B1)		MCB(L7)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200
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-C2/2

CE IEC IP65

Circuit Breaker Box

DC 1000/1200V 2 in 2 out



LQX-C2/2DC1000VBB

LQX-C2/2DC1200VLL



IP65 outdoor waterproof and sun resistant
UV-resistant



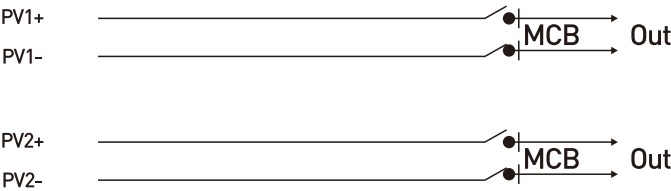
Short-circuit protection, overload protection, Isolation circuit



PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant

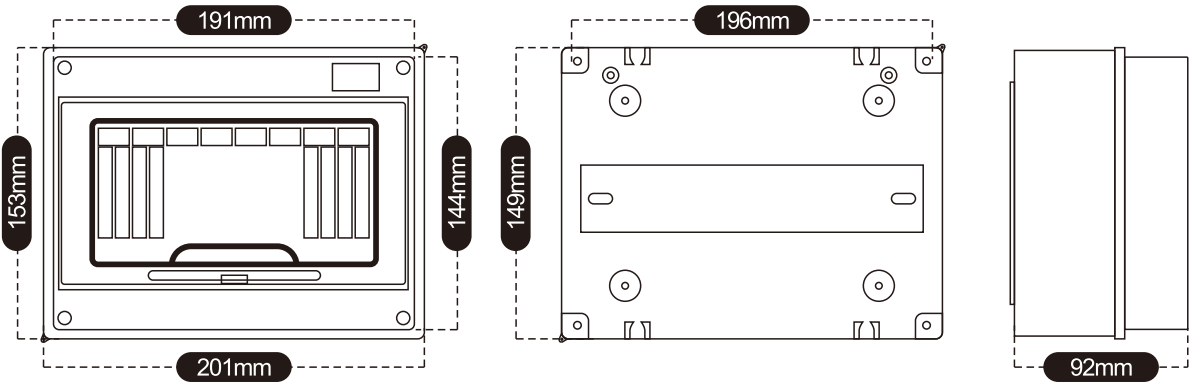


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C2/2DC1000VBB	LQX-C2/2DC1200VLL
String	2 in 2 out	
Rated Voltage Ue (V)	DC 1000	DC 1200
Rated current In(A)	16~125	16~63
Quality Certificate	CE, ISO9001, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	153*201*92mm(16~63A), 195*254*105mm(80~125A)	

MCB(B1)		MCB(L7)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200
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-C3/3

CE IEC IP65

Circuit Breaker Box

DC 1000/1200V 3 in 3 out



LQX-C3/3DC1000VBB

LQX-C3/3DC1200VLL

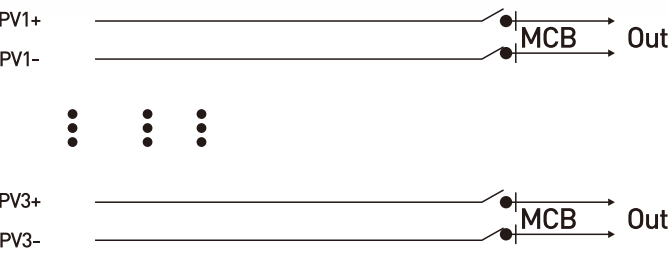
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

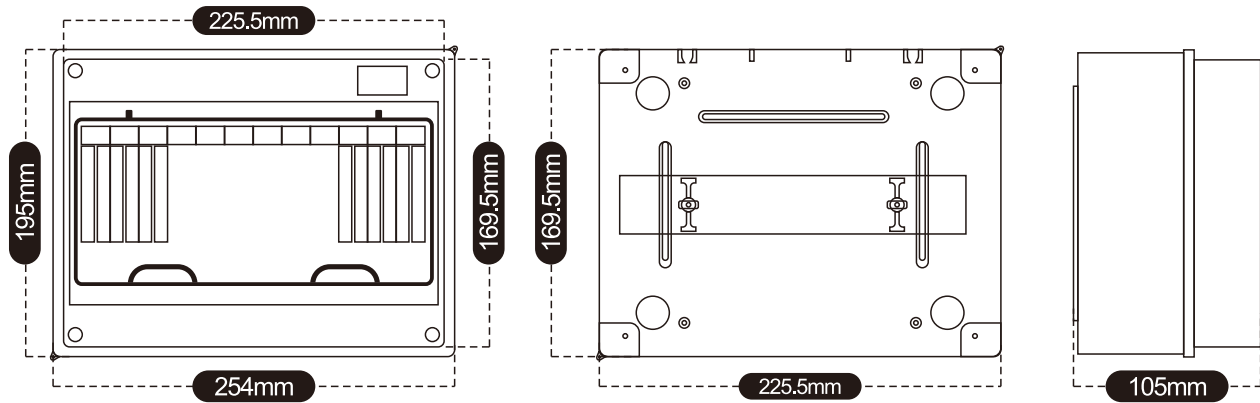
PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C3/3DC1000VBB	LQX-C3/3DC1200VLL
String	3 in 3 out	
Rated Voltage Ue (V)	DC 1000	DC 1200
Rated current In(A)	16~125	16~63
Quality Certificate	CE, ISO9001, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	195*254*105mm(16~63A), 194*360*105mm(80~125A)	

MCB(B1)		MCB(L7)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200
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-C4/4

CE



IEC

IP65

Circuit Breaker Box

DC 1000/1200V 4 in 4 out



LQX-C4/4DC1000VBB

LQX-C4/4DC1200VLL

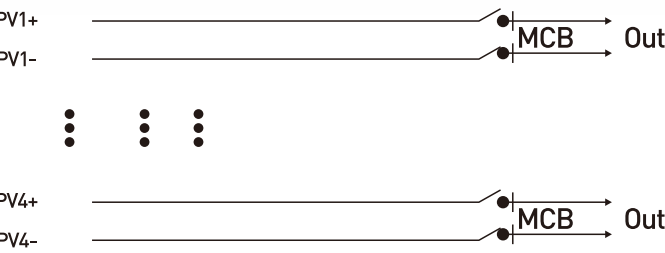
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

Short-circuit protection, overload protection, Isolation circuit
- 

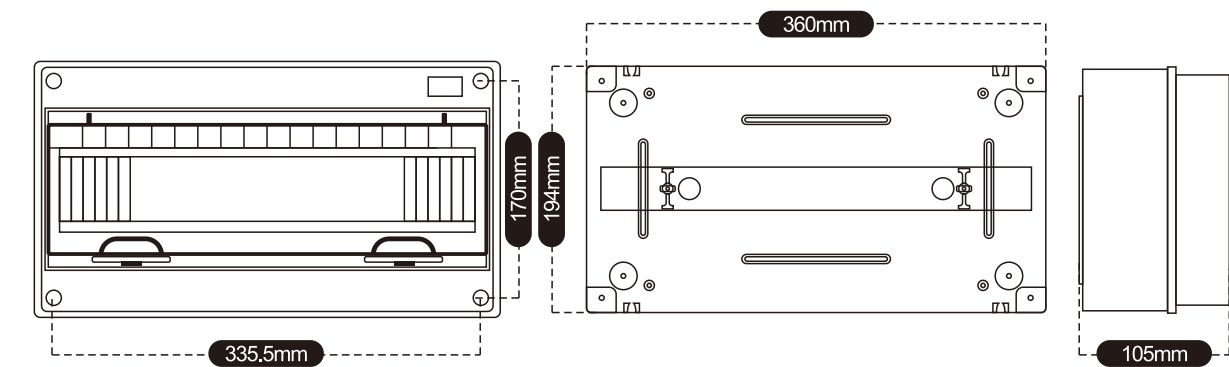
PC+ABS housing, IK08 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker

Product Dimension Drawing (mm)



Technical data		
Model	LQX-C4/4DC1000VBB	LQX-C4/4DC1200VLL
String	4 in 4 out	
Rated Voltage Ue (V)	DC 1000	DC 1200
Rated current In(A)	16~125	16~63
Quality Certificate	CE, ISO9001, IP65	
Protection Level	IP65	
Impact Level	IK08	
Box Material	PC+ABS	
Operating Temperature	-25 °C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension (without mounting connector)	194*360*105mm(16~63A), 357*271*110mm(80~125A)	

MCB(B1)		MCB(L7)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200
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