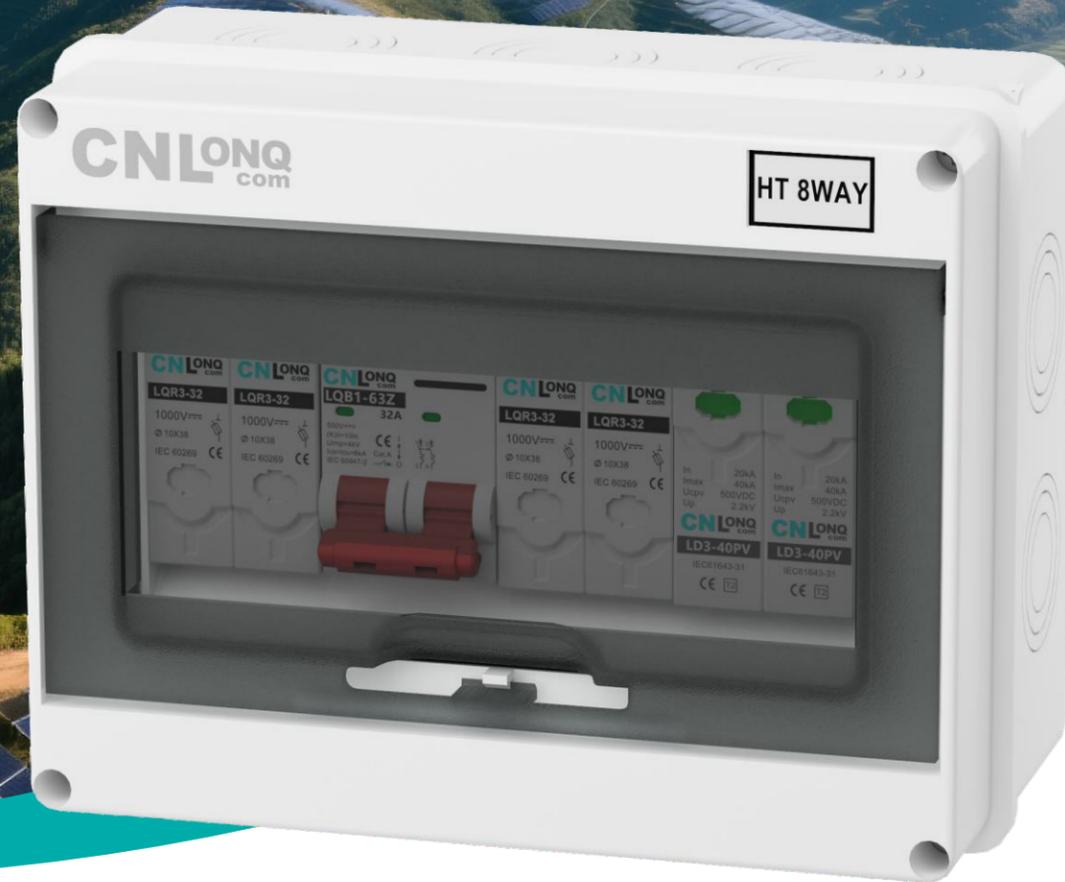


# PV Combiner Box LQX-C Series



LQX-C1/1DC500VB1



LQX-C1/1DC1000VB1

## Contents

LQX1/1DC500VB1 600VL7	1	LQX1/1DC1000VB1	25
LQX2/1DC500VB1 600VL7	3	LQX2/1DC1000VB1	27
LQX2/2DC500VB1 600VL7	5	LQX2/2DC1000VB1	29
LQX3/1DC500VB1 600VL7	7	LQX3/1DC1000VB1	31
LQX3/3DC500VB1 600VL7	9	LQX3/3DC1000VB1	33
LQX4/1DC500VB1 600VL7	11	LQX4/1DC1000VB1	35
LQX4/2DC500VB1 600VL7	13	LQX4/2DC1000VB1	37
LQX4/4DC500VB1 600VL7	15	LQX5/1DC1000VB1	39
LQX5/1DC500VB1	17	LQX6/1DC1000VB1	41
LQX6/1DC500VB1	19	LQX6/2DC1000VB1	43
LQX6/2DC500VB1 600VL7	21		
LQX6/3DC500VB1 600VL7	23		

## DC500V~1000V 10~125A input1~6 output1~4

CNLONQ Photovoltaic combiner boxes are reliable components for solar power plants and rooftop systems. They feature DC overcurrent protection, surge suppression, and fuse short-circuit protection. IP65+ protection rating. Photovoltaic combiner boxes serve as the critical hub for connecting multiple solar panels in series to the inverter. They consolidate DC power while providing essential protection and monitoring to maximize system safety, efficiency, and return on investment.



IP65 outdoor  
waterproof and sun  
resistant  
UV-resistant



Short-circuit protection,  
overload protection,  
lightning protection,  
isolation circuit



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



OEM/ODM Free  
Customization  
for PV Products

LQX-C1/1

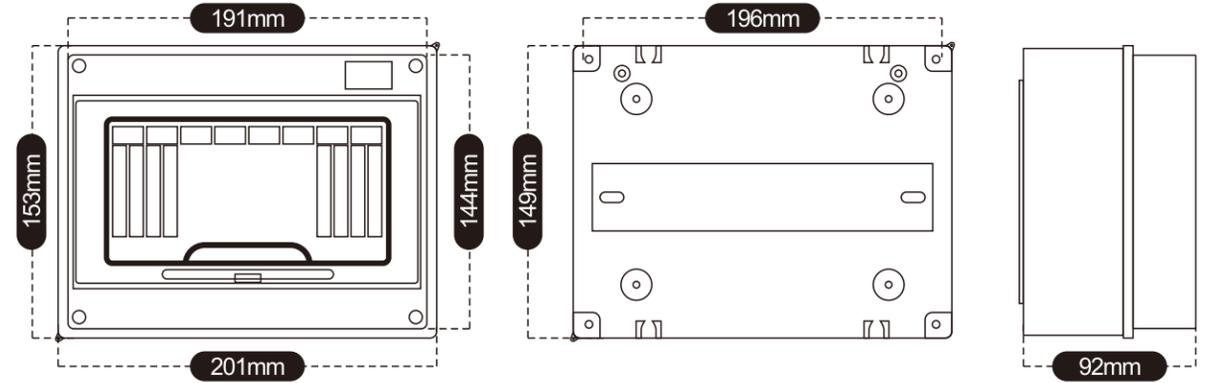
CE  RoHS IEC IP65

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# PV Combiner Box 1in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX-C1/1DC500VB1

LQX-C1/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



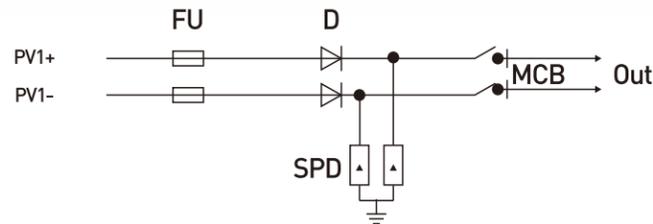
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Technical data

<b>Model</b>	LQX-C1/1DC500VB1	LQX-C1/1DC600VL7
<b>String</b>	1 in 1 out	
<b>Rated Voltage Ue (V)</b>	DC 500	DC 600
<b>Maximum input current per string (A)</b>	15/20/25/30	
<b>Maximum output current per string (A)</b>	32/40/50/63	32/40/50/63
<b>Quality Certificate</b>	CE,ISO9001,RoHS,IP65	
<b>Protection Level</b>	IP65	
<b>Impact Level</b>	IK10	
<b>Box Material</b>	PC+ABS	
<b>Operating Temperature</b>	-25°C ~ +60°C	
<b>Humidity</b>	≤95%	
<b>Connector</b>	MC4 or PG	
<b>Installation</b>	Wall Mounting	
<b>Altitude</b>	2000m	
<b>Dimension (without mounting connector)</b>	153*201*92mm	

	MCB		SPD		FUSE
<b>Rated Voltage Ue (V)</b>	DC500/600	<b>Rated Voltage Ue (V)</b>	DC500/600	<b>Rated Voltage Ue (V)</b>	DC1000
<b>Ui (V)</b>	DC1000/1200	<b>In (8/20)us (kA)</b>	20	<b>Rated Current In(A)</b>	15/20/25/30
<b>Rated Current In(A)</b>	32/40/50/63	<b>I<sub>max</sub> (8/20)us (kA)</b>	40	<b>Fuse Size (mm)</b>	10*38
<b>Icu (kA)</b>	6	<b>Protection Level (kV)</b>	2.2	<b>Standard</b>	IEC60947-3
<b>standard</b>	IEC 60947-2	<b>standard</b>	IEC 61643-31		

LQX-C2/1

CE ISO 9001 R0HS IEC IP65

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# PV Combiner Box 2in 1out

## DC 500/600V



LQX-C2/1DC500VB1

LQX-C2/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



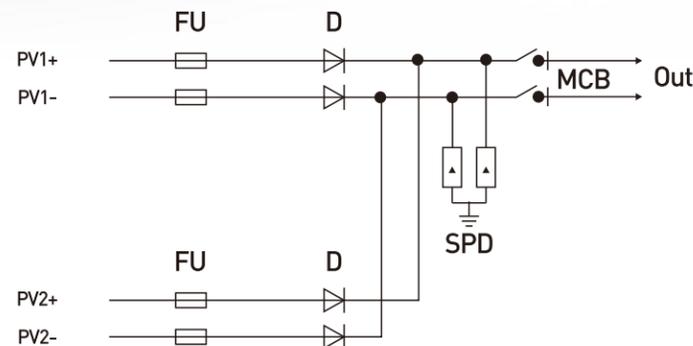
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

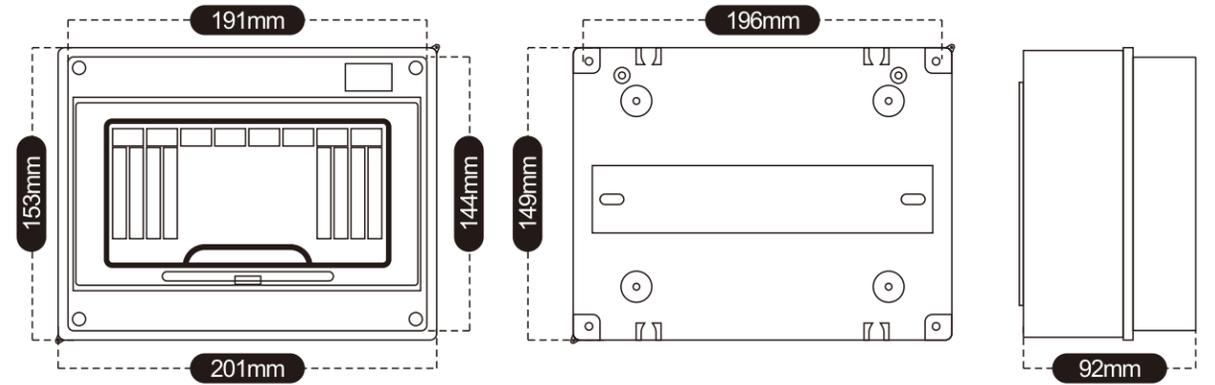


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



Technical data		
Model	LQX-C2/1DC500VB1	LQX-C2/1DC600VL7
String	2 in 1 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/40/50/63	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	153*201*92mm	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C2/2

CE ISO 9001 RoHS IEC IP65

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# PV Combiner Box 2in 2out

## DC 500/600V



LQX-C2/2DC500VB1

LQXC2/2DC600VB1



IP65 outdoor waterproof and sun resistant UV-resistant



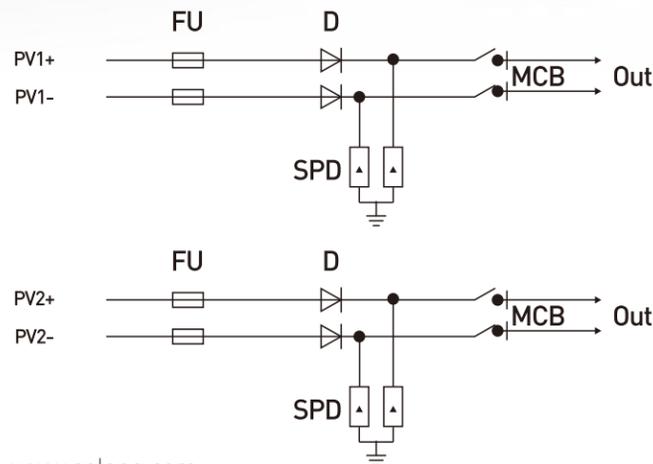
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

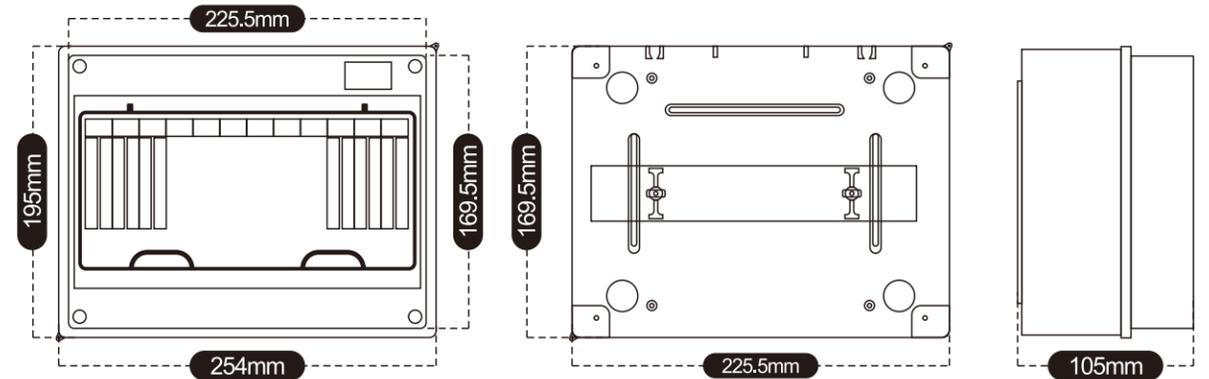


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C2/2DC500VB1	LQX-C2/2DC600VL7
String	2 in 2 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/40/50/63	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	195*254*105mm	

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60947-3
standard	IEC 60947-2	standard	IEC 61643-31		

LQX-C3/1

CE  RoHS IEC IP65

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# PV Combiner Box 3in 1out

## DC 500/600V



LQX-C3/1DC500VB1

LQXC3/1DC600VB1



IP65 outdoor waterproof and sun resistant UV-resistant



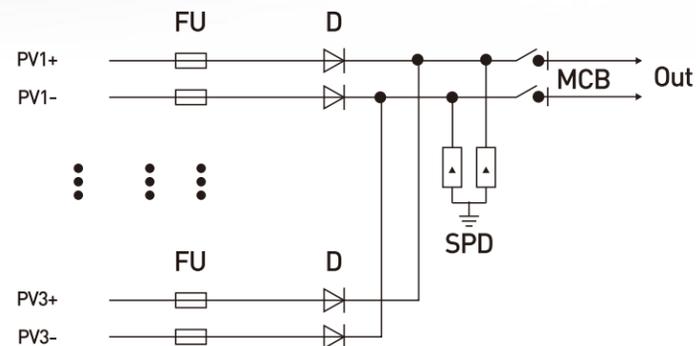
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

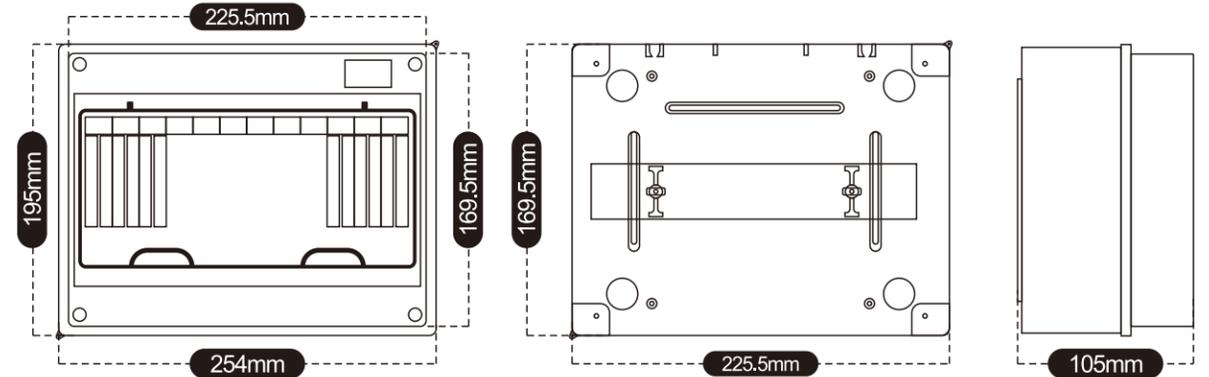


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

	LQX-C3/1DC500VB1	LQX-C3/1DC600VB1
Model	LQX-C3/1DC500VB1	LQX-C3/1DC600VB1
String	3 in 1 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63/125	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	195*254*105mm	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C3/3

CE ISO 9001 RoHS IEC IP65

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# PV Combiner Box 3in 3out

## DC 500/600V



LQX-C3/3DC500VB1

LQXC3/3DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



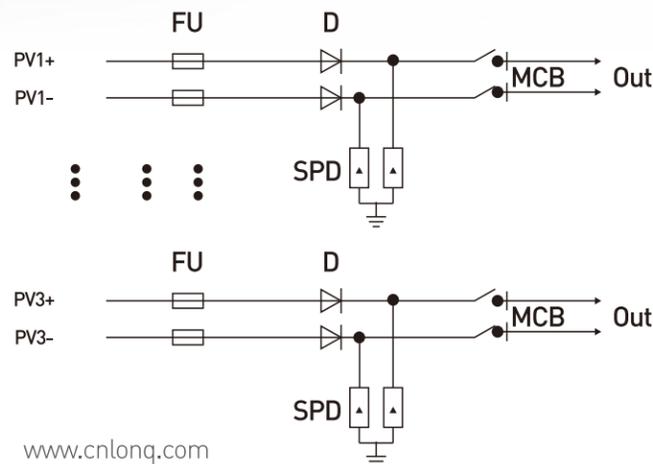
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

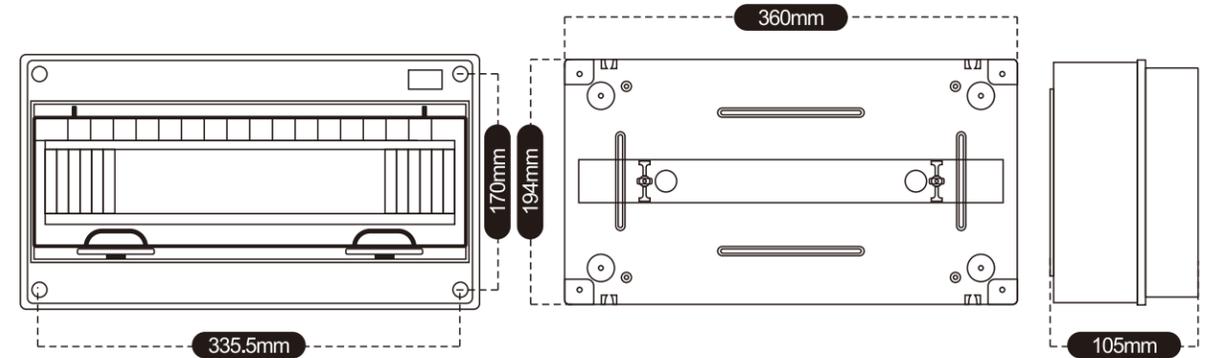


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C3/3DC500VB1	LQX-C3/3DC600VL7
String	3 in 3 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	194*360*105mm	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C4/1

CE  RoHS IEC IP65

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# PV Combiner Box 4in 1out

## DC 500/600V



LQX-C4/1DC500VB1

LQXC4/1DC600VB1



IP65 outdoor waterproof and sun resistant UV-resistant



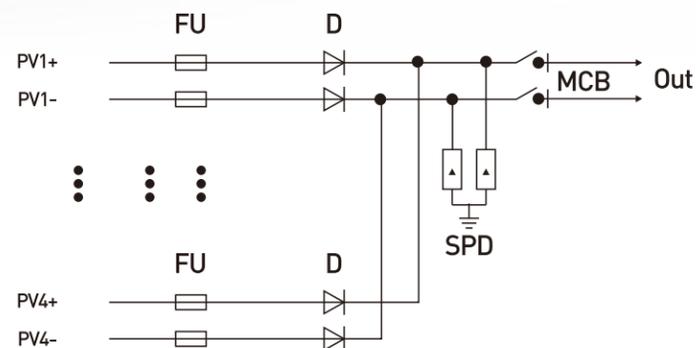
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

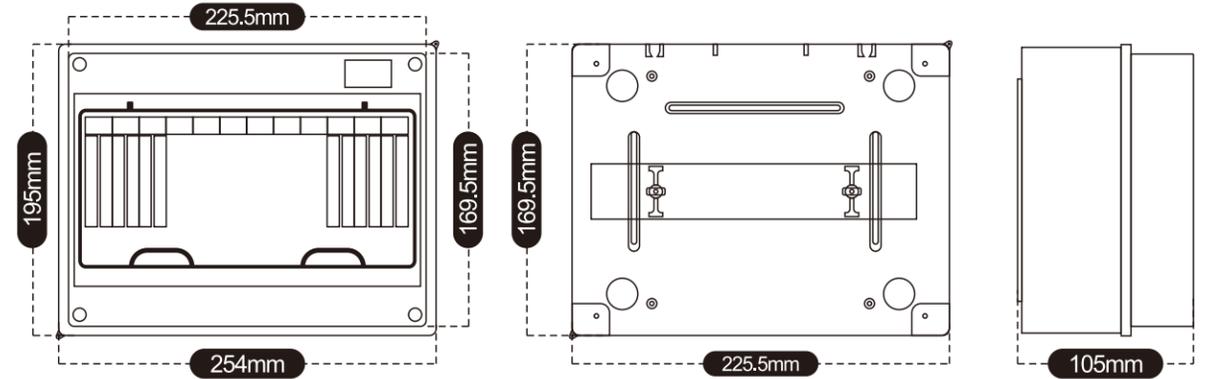


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



Technical data		
Model	LQX-C4/1DC500VB1	LQX-C4/1DC600VL7
String	4 in 1 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63/125	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	195*254*105mm(10~63A), 195*305*105mm(80~125A)	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C4/2

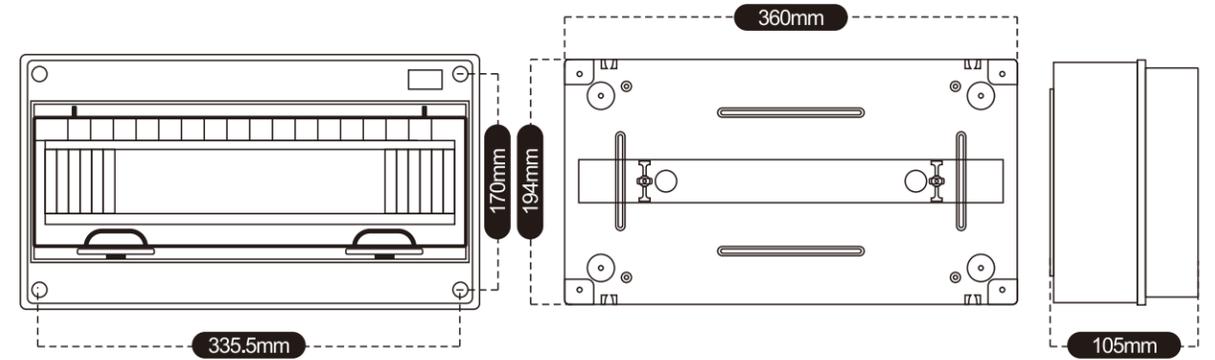
CE ISO 9001 RoHS IEC IP65

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# PV Combiner Box 4in 2out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX-C4/2DC500VB1

LQXC4/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



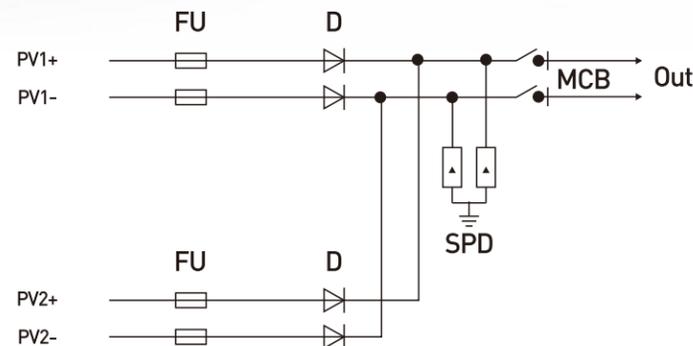
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

\*Includes 2 Lines Of This Type

### Technical data

Model	LQX-C4/2DC500VB1	LQX-C4/2DC600VL7
String	4 in 2 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	194*360*105mm	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
I <sub>cu</sub> (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C4/4

CE ISO COMPASS R6HS IEC IP65

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# PV Combiner Box 4in 4out

## DC 500/600V



LQX-C4/4DC500VB1



LQXC4/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



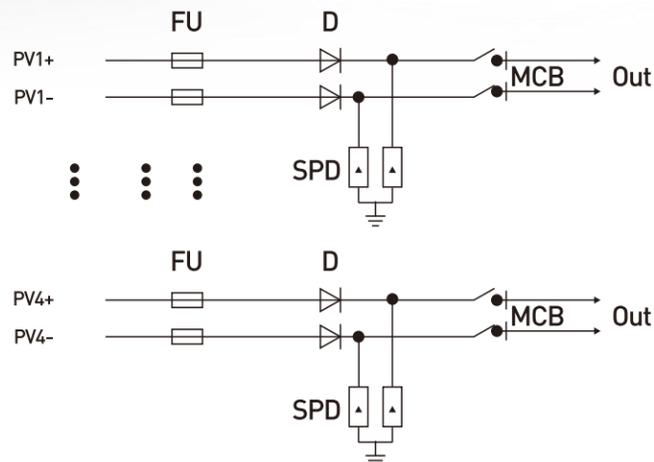
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

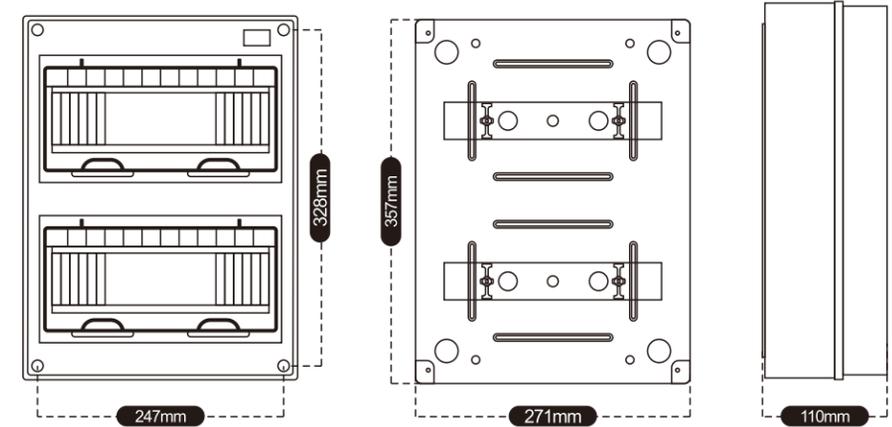


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



Technical data		
Model	LQX-C4/4DC500VB1	LQX-C4/4DC600VL7
String	4 in 4 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	357*271*110mm	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA) standard	6 IEC 60947-2	Protection Level (kV) 2.2 standard	Standard IEC60947-3
		IEC 61643-31	

LQX-C5/1

CE ISO 9001 COMPASS R6HS IEC IP65

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# PV Combiner Box 5in 1out

## DC 500V



LQX-C5/1DC500VB1



IP65 outdoor waterproof and sun resistant UV-resistant



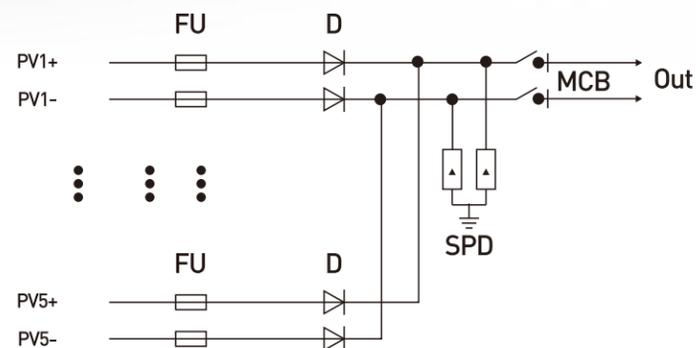
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

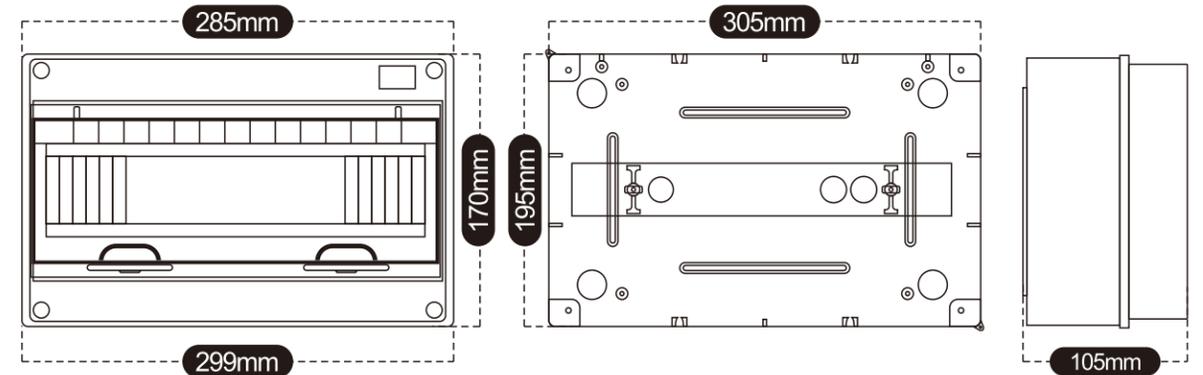


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C5/1DC500VB1
String	5 in 1 out
Rated Voltage Ue (V)	DC 500
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/50/63/125
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	305*299*105mm

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

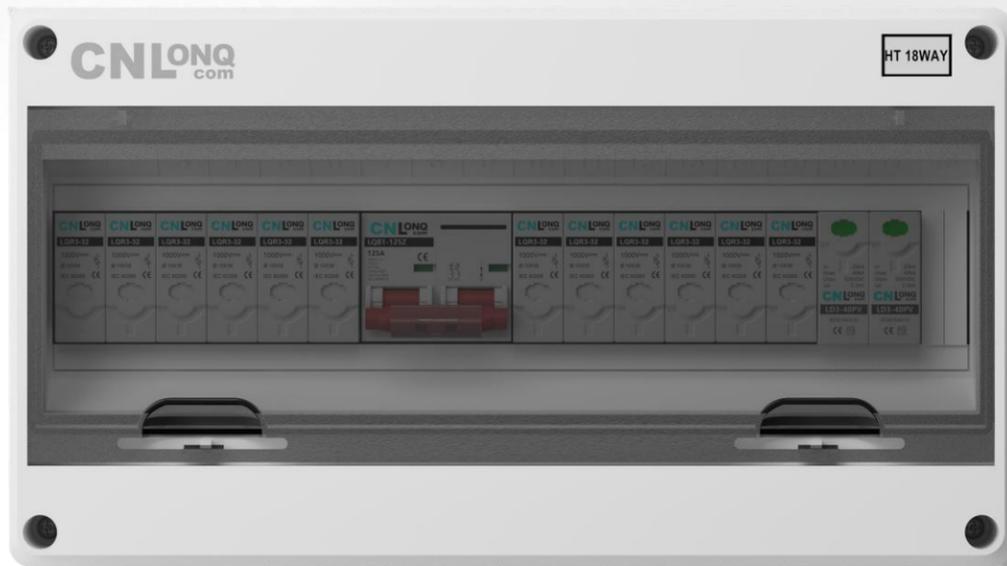
LQX-C6/1

CE ISO 9001 R0HS IEC IP65

CN LONGQ.com

# PV Combiner Box 6in 1out

## DC 500V



LQX-C6/1DC500VB1



IP65 outdoor waterproof and sun resistant UV-resistant



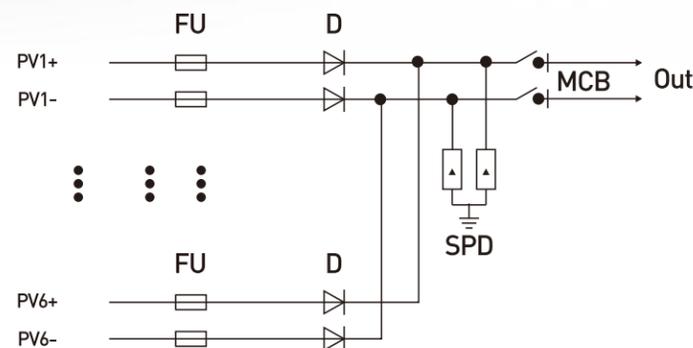
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

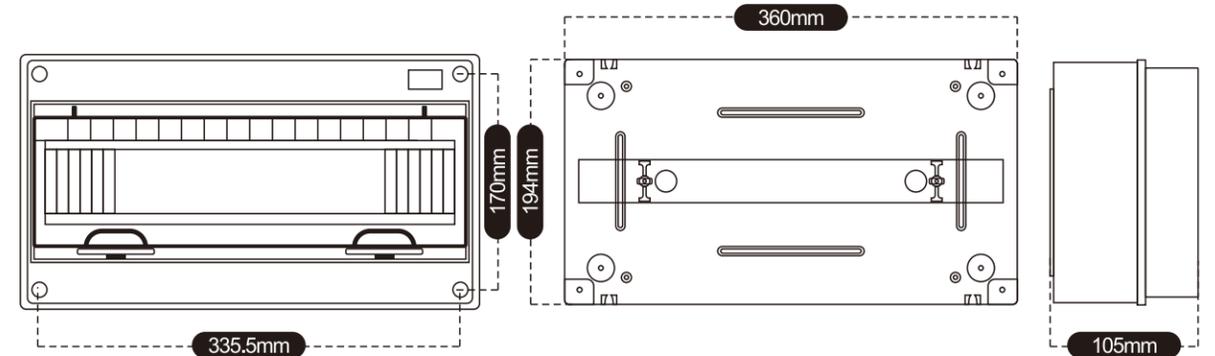


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C6/1DC500VB1
String	6 in 1 out
Rated Voltage Ue (V)	DC 500
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/50/63/125
Quality Certificate	CE, ISO9001, RoHS, IP65
Protection Level	IP65
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)	194*360*105mm

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
I <sub>cu</sub> (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C6/2

CE ISO 9001 RoHS IEC IP65

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# PV Combiner Box 6in 2out

## DC 500/600V



LQX-C6/2DC500VB1



LQXC6/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



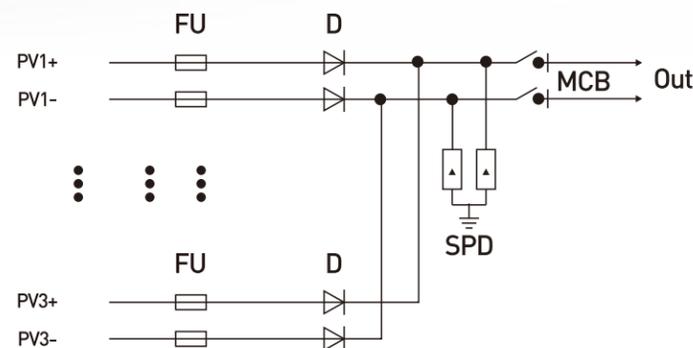
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



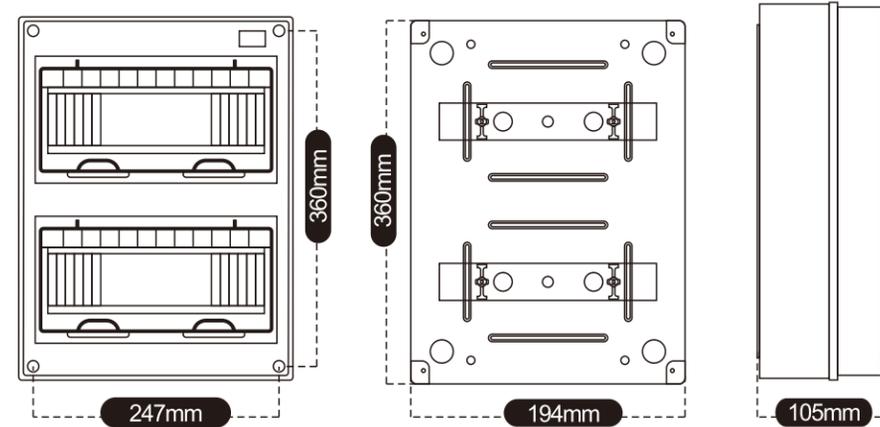
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

\*Includes 2 Lines Of This Type

### Product Dimension Drawing (mm)



Technical data		
Model	LQX-C6/2DC500VB1	LQX-C6/2DC600VL7
String	6 in 2 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63/125	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	194*360*105mm	

	MCB	SPD		FUSE	
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60947-3
standard	IEC 60947-2	standard	IEC 61643-31		

LQX-C6/3

CE ISO 9001 RoHS IEC IP65

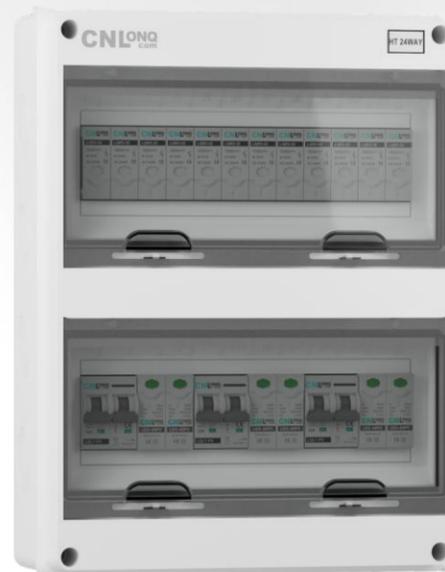
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# PV Combiner Box 6in 3out

## DC 500/600V



LQX-C6/3DC500VB1



LQXC6/3DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



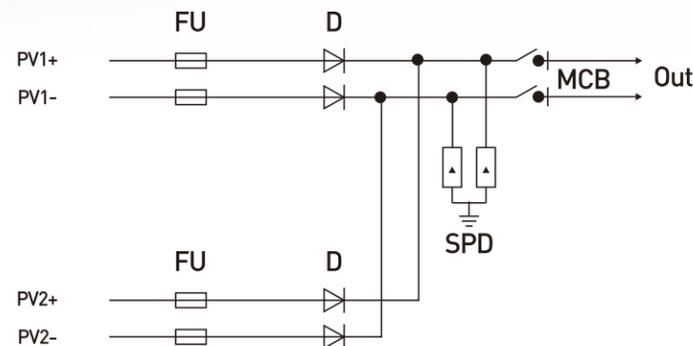
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



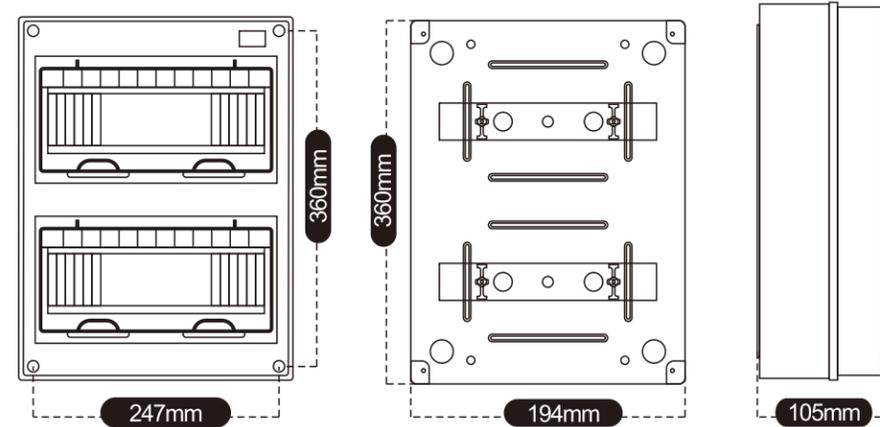
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MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

\*Includes 3 Lines Of This Type

### Product Dimension Drawing (mm)



Technical data		
Model	LQX-C6/3DC500VB1	LQX-C6/3DC600VL7
String	6 in 3 out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	10/15/20/25/30	
Maximum output current per string (A)	32/40/50/63	32/40/50/63
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
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)	194*360*105mm	

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 2.2	Standard IEC60947-3
standard	IEC 60947-2	standard IEC 61643-31	

LQX-C1/1

CE ISO COMPASS R6HS IEC IP65

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# PV Combiner Box 1in 1out

## DC 1000V



LQXC1/1 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



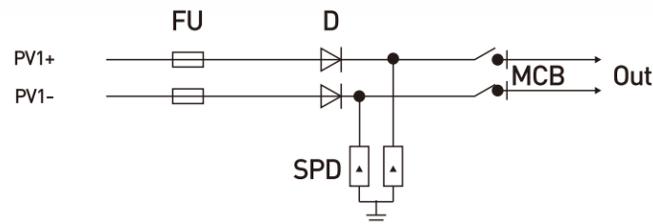
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

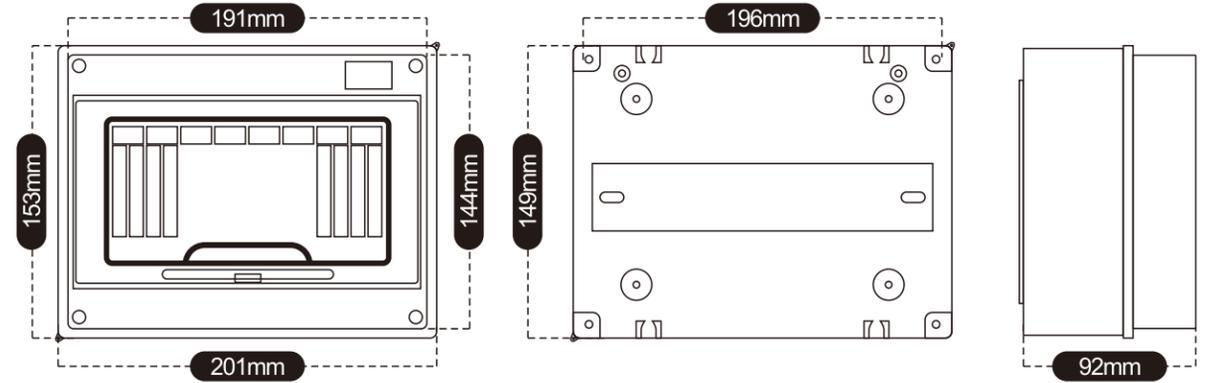


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C1/1DC1000VB1
String	1 in 1 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	153*201*92mm

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	3.6	Standard	IEC60947-3
Standard	IEC 60947-2	Standard	IEC 61643-31		

LQX-C2/1

CE ISO 9001 R0HS IEC IP65

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# PV Combiner Box 2in 1out

## DC 1000V



LQXC2/1 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



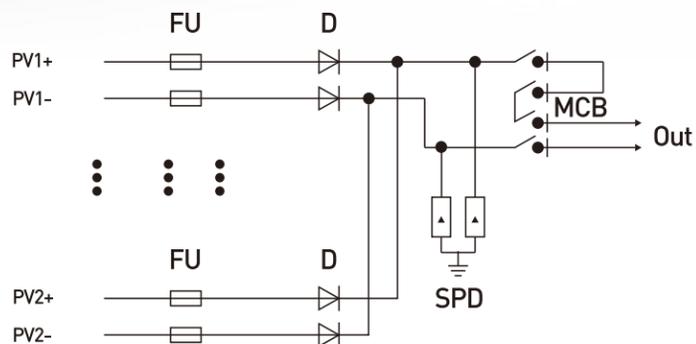
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

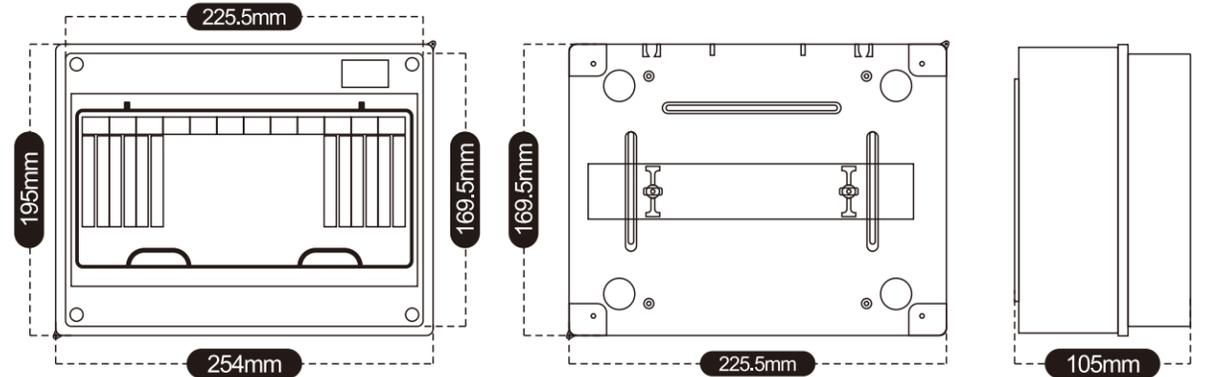


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C2/1DC1000VB1
String	2 in 1 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	195*254*105mm

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	3.6	Standard	IEC60947-3
Standard	IEC 60947-2	Standard	IEC 61643-31		

LQX-C2/2

CE ISO COMPASS ROHS IEC IP65

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# PV Combiner Box 2in 2out

## DC 1000V



LQXC2/2 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



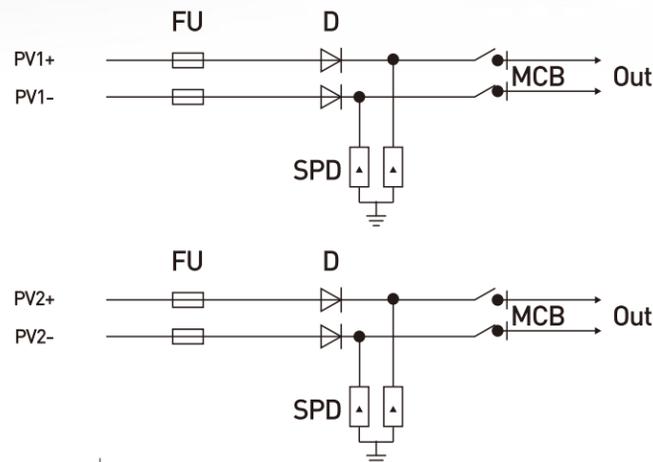
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

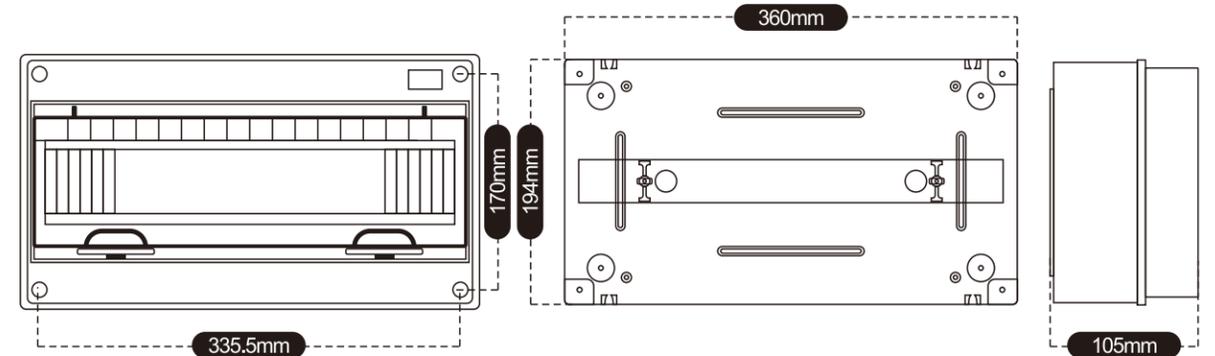


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C2/2DC1000VB1
String	2 in 2 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	194*360*105mm

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	3.6	Standard	IEC60947-3
Standard	IEC 60947-2	Standard	IEC 61643-31		

LQX-C3/1

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# PV Combiner Box 3in 1out

## DC 1000V



LQXC3/1 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



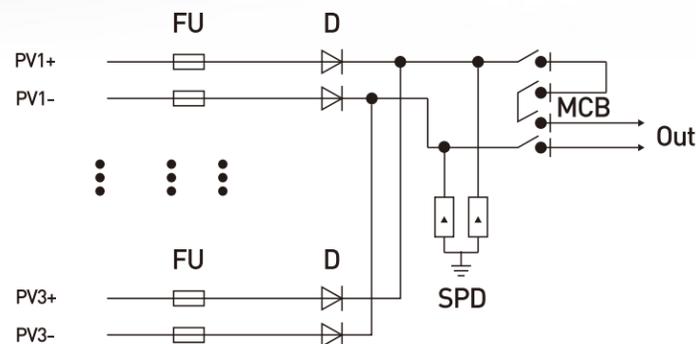
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

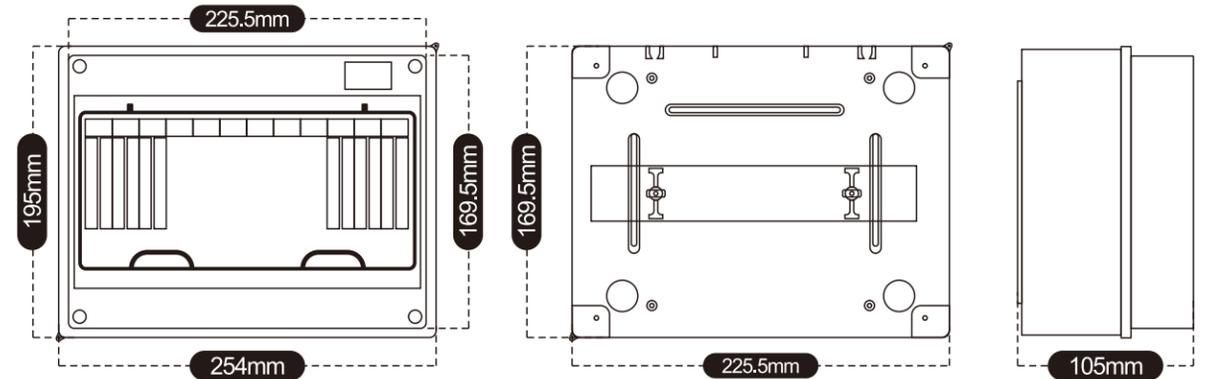


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C3/1DC1000VB1
String	3 in 1 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63/125
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	195*254*105mm(10~63A), 195*305*105mm(80~125A)

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	3.6	Standard	IEC60947-3
Standard	IEC 60947-2	Standard	IEC 61643-31		

LQX-C3/3

CE ISO 9001 R0HS IEC IP65

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# PV Combiner Box 3in 3out

## DC 1000V



LQXC3/3 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



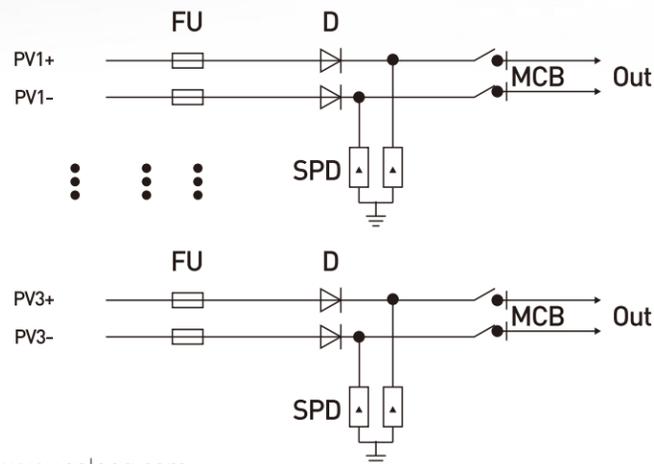
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

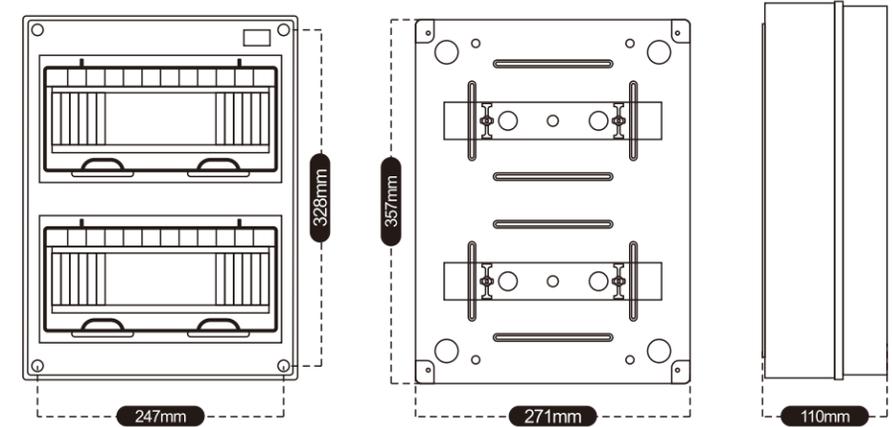


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C3/3DC1000VB1
String	3 in 3 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	357*271*110mm

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 3.6	Standard IEC60947-3
Standard	IEC 60947-2	Standard IEC 61643-31	

LQX-C4/1

CE ISO 9001 RoHS IEC IP65

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# PV Combiner Box 4in 1out

## DC 1000V



LQXC4/1 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



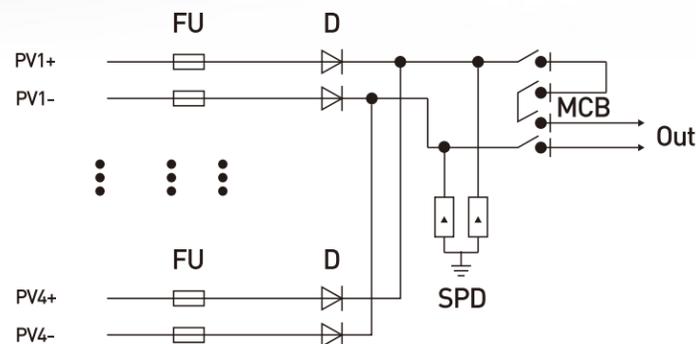
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

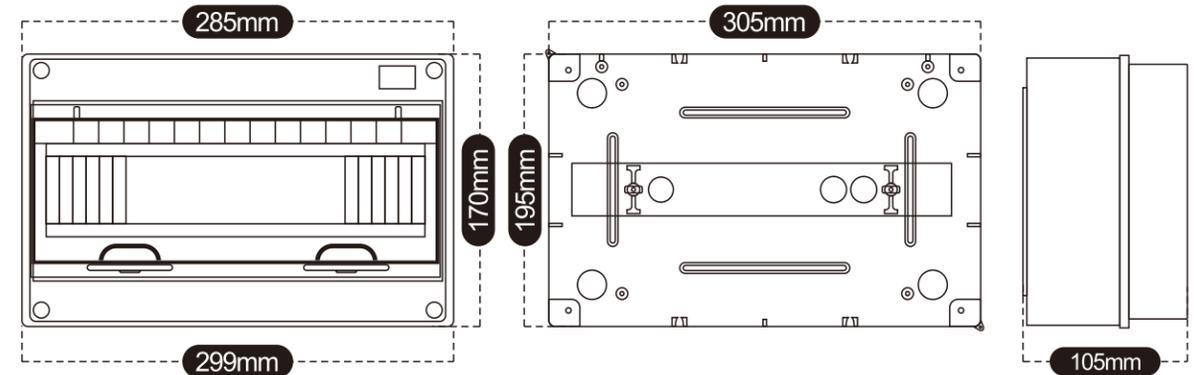


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C4/1DC1000VB1
String	4 in 1 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63/125
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	195*305*105mm(10~63A), 194*360*105mm(80~125A)

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	3.6	Standard	IEC60947-3
Standard	IEC 60947-2	Standard	IEC 61643-31		

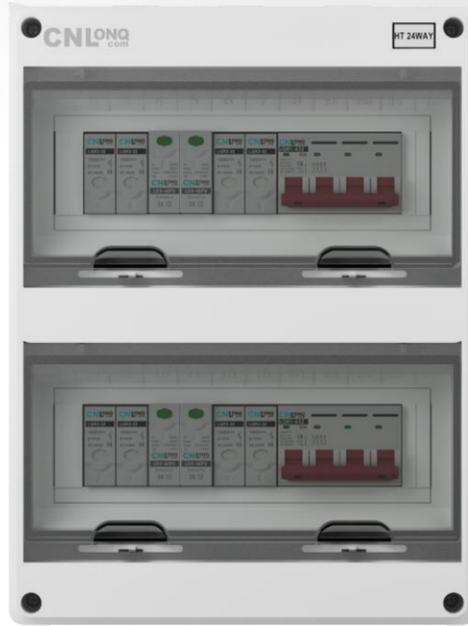
LQX-C4/2

CE ISO 9001 R0HS IEC IP65

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# PV Combiner Box 4in 2out

## DC 1000V



LQXC4/2 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



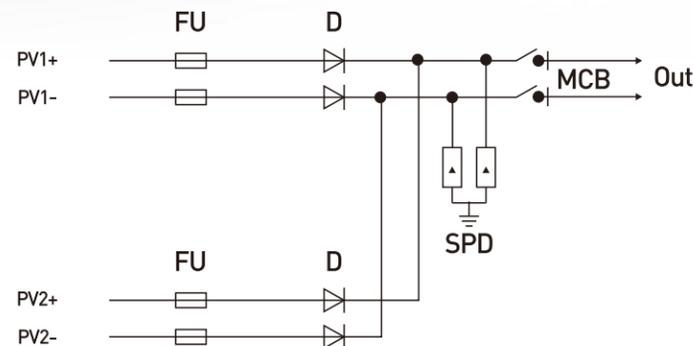
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



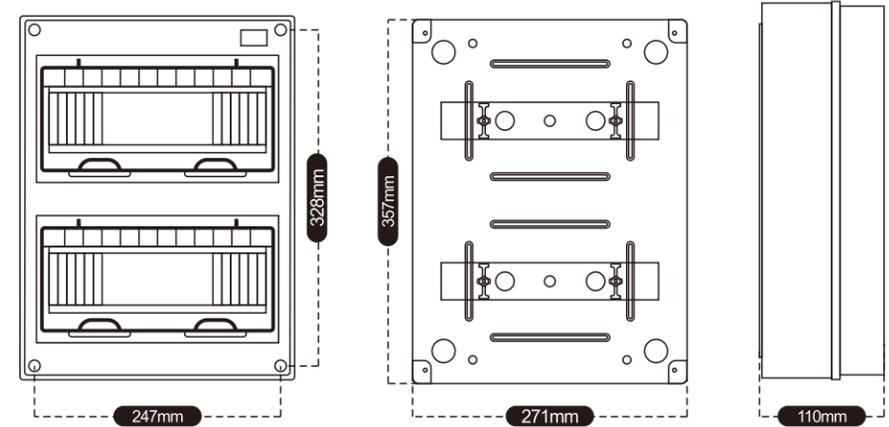
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

\*Includes 2 Lines Of This Type

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C4/2DC1000VB1
String	4 in 2 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	357*271*110mm

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 3.6	Standard IEC60947-3
Standard	IEC 60947-2	Standard IEC 61643-31	

LQX-C5/1

CE ISO 9001 RoHS IEC IP65

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# PV Combiner Box 5in 1out

## DC 1000V



LQXC5/1 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



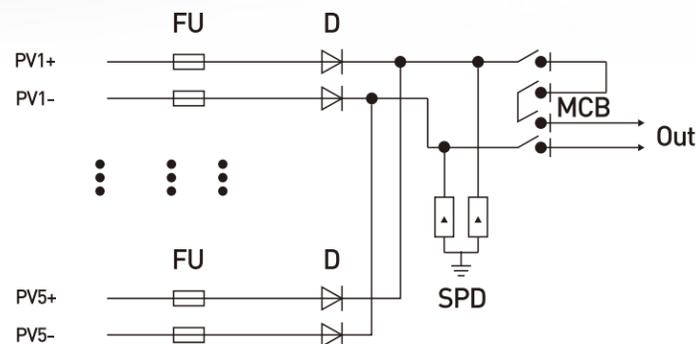
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

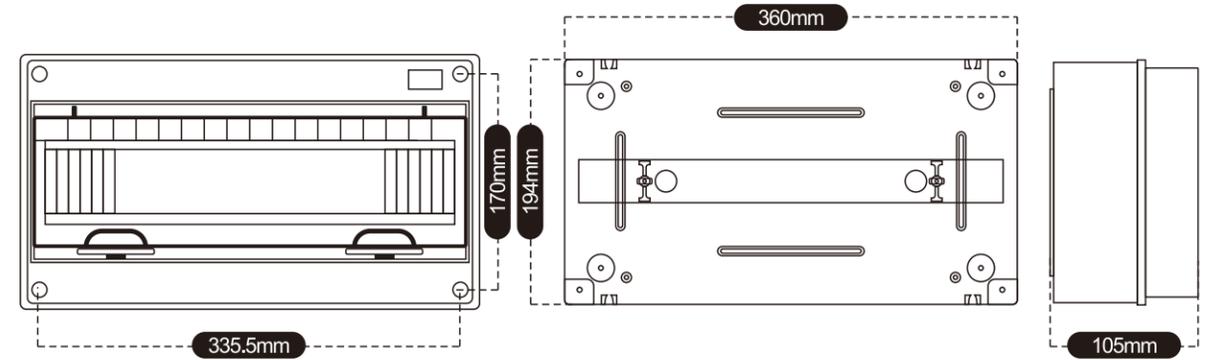


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C5/1DC1000VB1
String	5 in 1 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63/125
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	194*360*105mm

	MCB		SPD		FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32/40/50/63/125	I <sub>max</sub> (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	3.6	Standard	IEC60947-3
Standard	IEC 60947-2	Standard	IEC 61643-31		

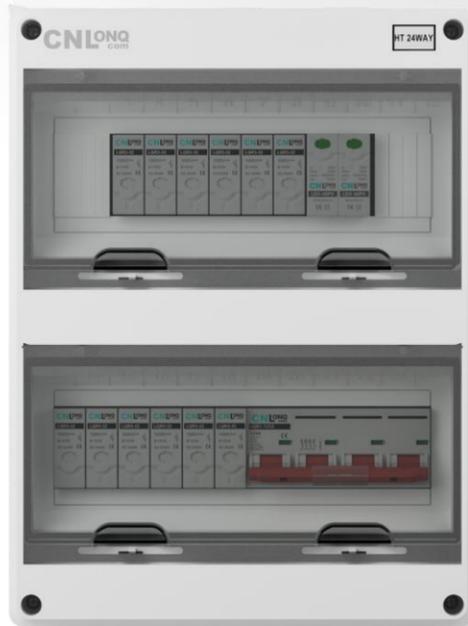
LQX-C6/1

CE ISO COMPASS R6HS IEC IP65

CNLONGQ.com

# PV Combiner Box 6in 1out

## DC 1000V



LQXC6/1 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



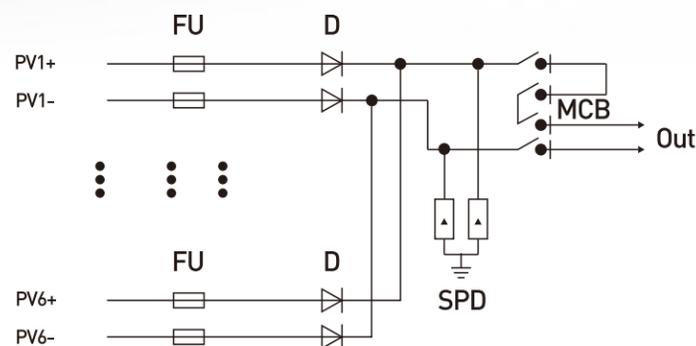
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

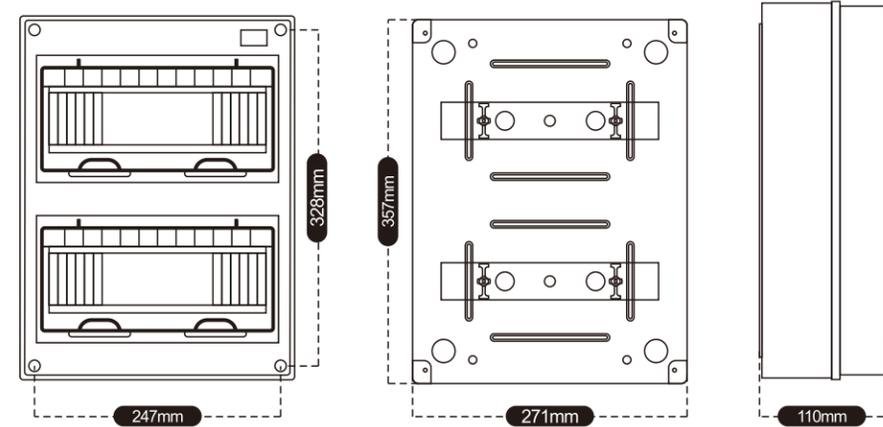


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX-C6/1DC1000VB1
String	6 in 1 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63/125
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	357*271*110mm

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63/125	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 3.6	Standard IEC60947-3
Standard	IEC 60947-2	Standard IEC 61643-31	

LQX-C6/2

CE ISO 9001 R0HS IEC IP65

CNLONGQ.com

# PV Combiner Box 6in 2out DC 1000V



LQXC6/2 DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



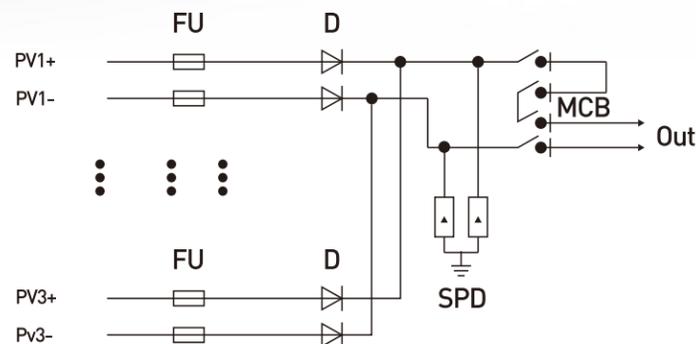
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



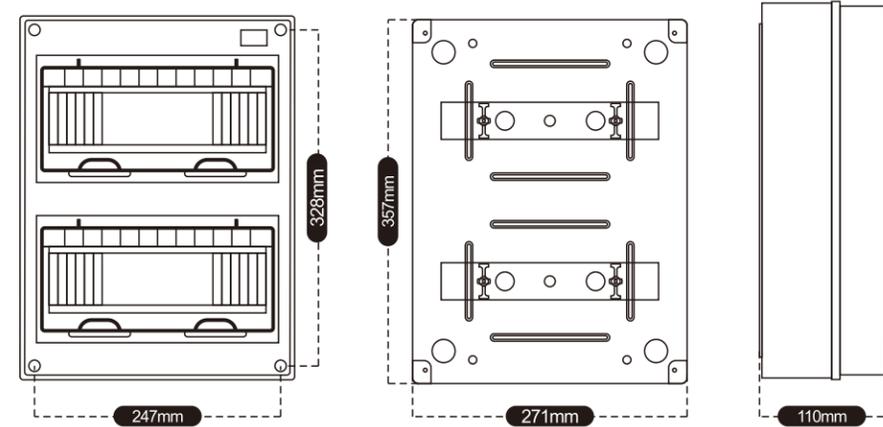
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker  
FU: Fuse+Fuse holder  
SPD: Surge Protection Device  
D: Anti-reflection diode (optional)

\*Includes 2 Lines Of This Type

## Product Dimension Drawing (mm)



### Technical data

Model	LQX-C6/2DC1000VB1
String	6 in 2 out
Rated Voltage Ue (V)	DC 1000V
Maximum input current per string (A)	10/15/20/25/30
Maximum output current per string (A)	32/40/63
Quality Certificate	CE,ISO9001,RoHS,IP65
Protection Level	IP65
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)	357*271*110mm

	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	6	Protection Level (kV) 3.6	Standard IEC60947-3
Standard	IEC 60947-2	Standard IEC 61643-31	