

# PV Combiner Box LQX-A Series



## DC500V~1200V 6~125A input 1~6 output 1~4

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



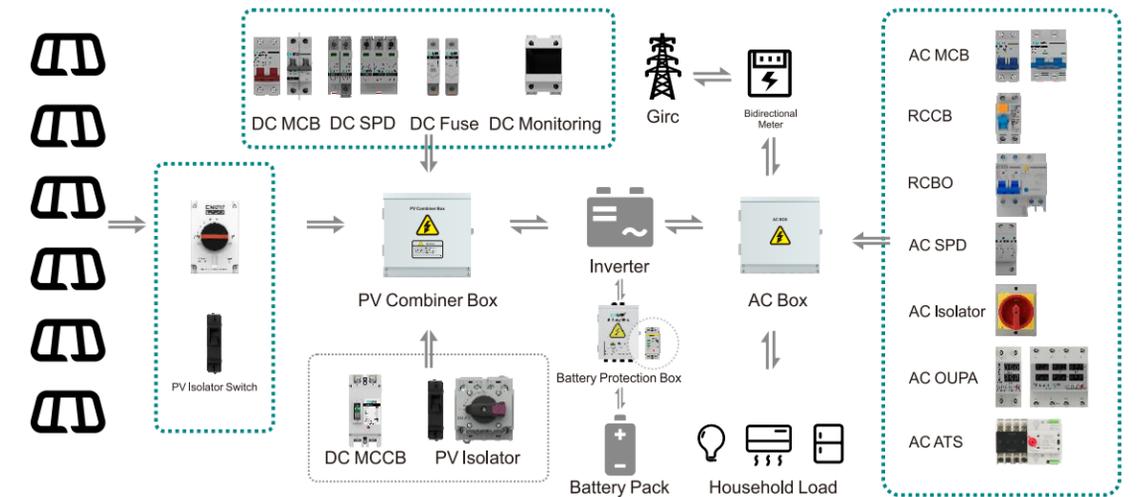
OEM/ODM Free Customization for PV Products

## 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 **10,000m<sup>2</sup>** With An Additional **2,500m<sup>2</sup>** 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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LQX1/1

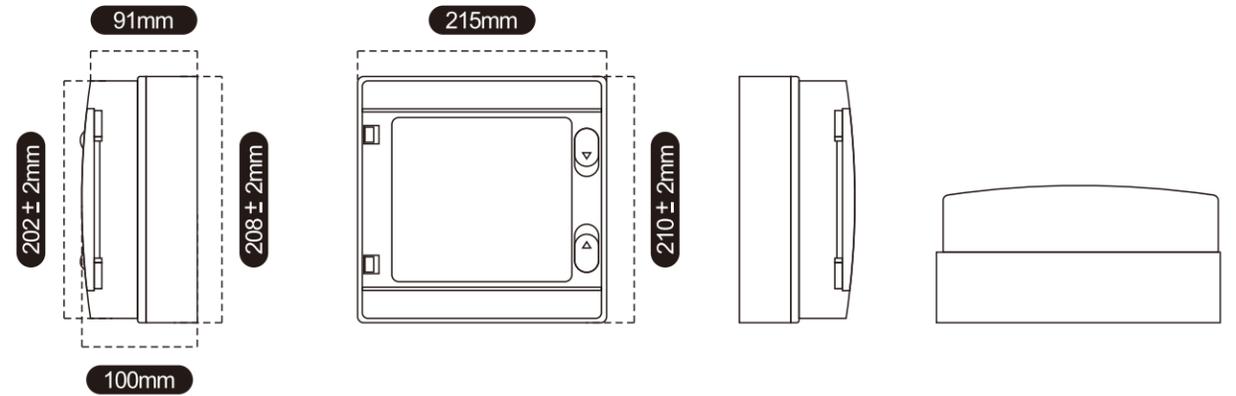
CE  RoHS IEC IP65

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# PV Combiner Box 1in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX1/1DC500VB1

LQX1/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



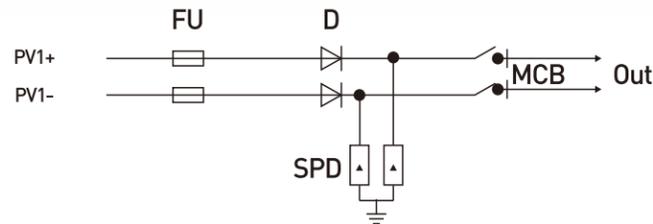
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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		
Model	LQX1/1DC500VB1	LQX1/1DC600VL7
String	1 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)	210*215*100mm	

	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		

LQX2/1

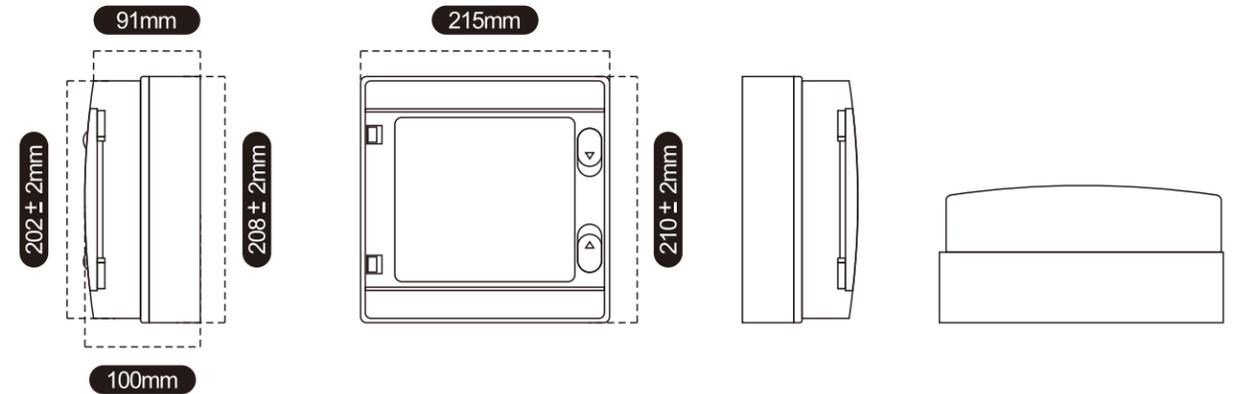
CE  RoHS IEC IP65

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# PV Combiner Box 2in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX2/1DC500VB1

LQX2/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



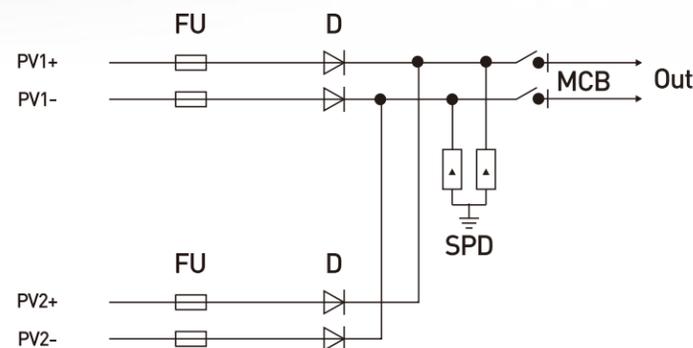
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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>	LQX2/1DC500VB1	LQX2/1DC600VL7
<b>String</b>	2 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>	210*215*100mm	

	MCB	SPD	FUSE
<b>Rated Voltage Ue (V)</b>	DC500/600	Rated Voltage Ue (V) DC500/600	Rated Voltage Ue (V) DC1000
<b>Ui (V)</b>	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
<b>Rated Current In(A)</b>	32/40/50/63	I <sub>max</sub> (8/20)us (kA) 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	

LQX2/2

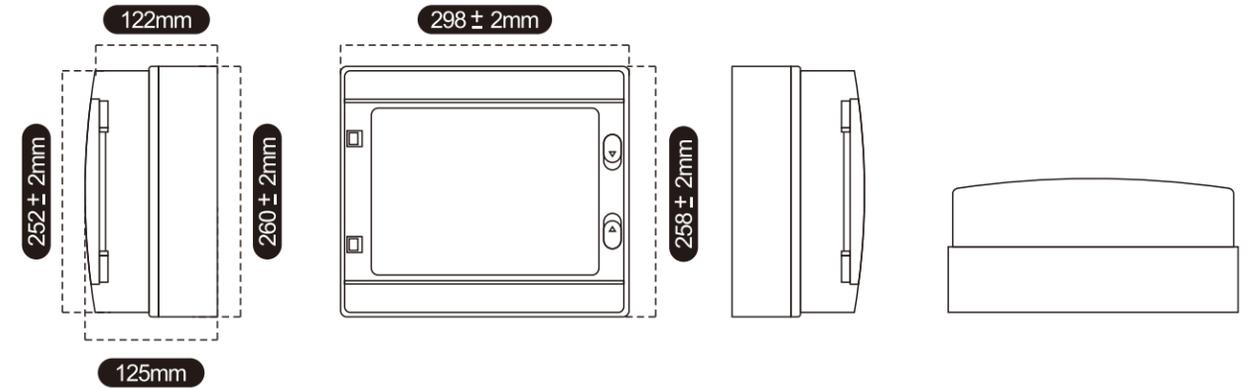
CE ISO COMPASS ROHS IEC IP65

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# PV Combiner Box 2in 2out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX2/2DC500VB1

LQX2/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



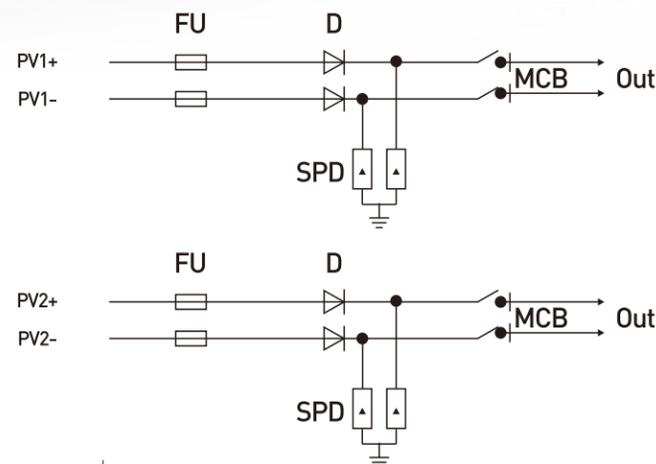
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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)

Technical data		
Model	LQX2/2DC500VB1	LQX2/2DC600VL7
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)	258*298*125mm	

	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	

LQX3/1

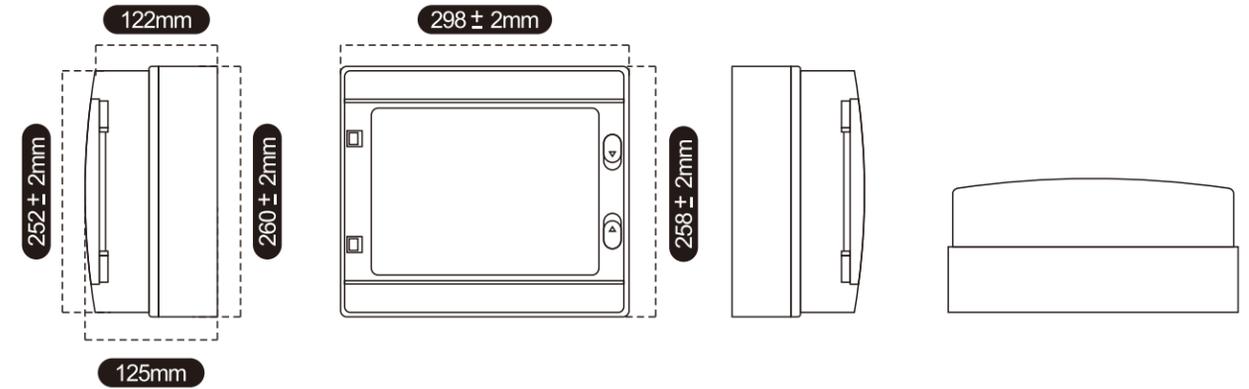
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# PV Combiner Box 3in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX3/1DC500VB1

LQX3/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



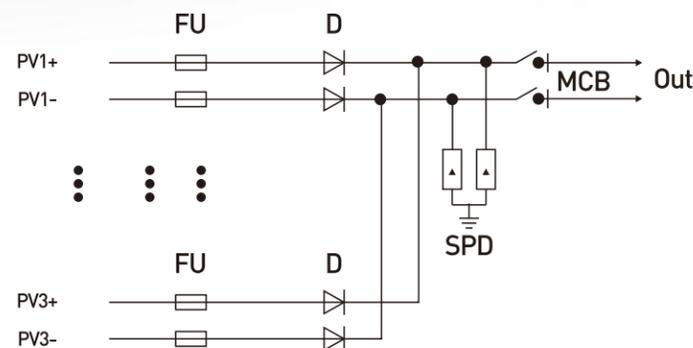
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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		
Model	LQX31DC500VB1	LQX3/1DC600VL7
String	3 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)	32/40/50/63/125	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)	258*298*125mm	

	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)	32~125	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	

LQX3/3

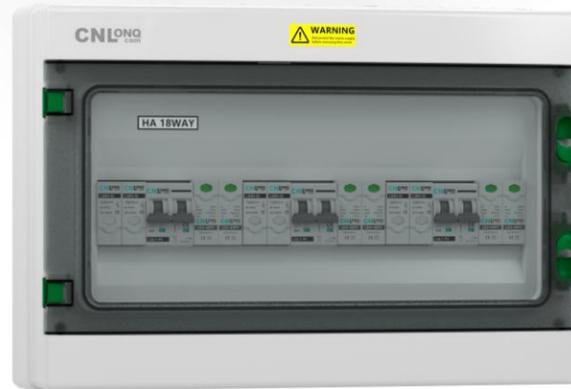
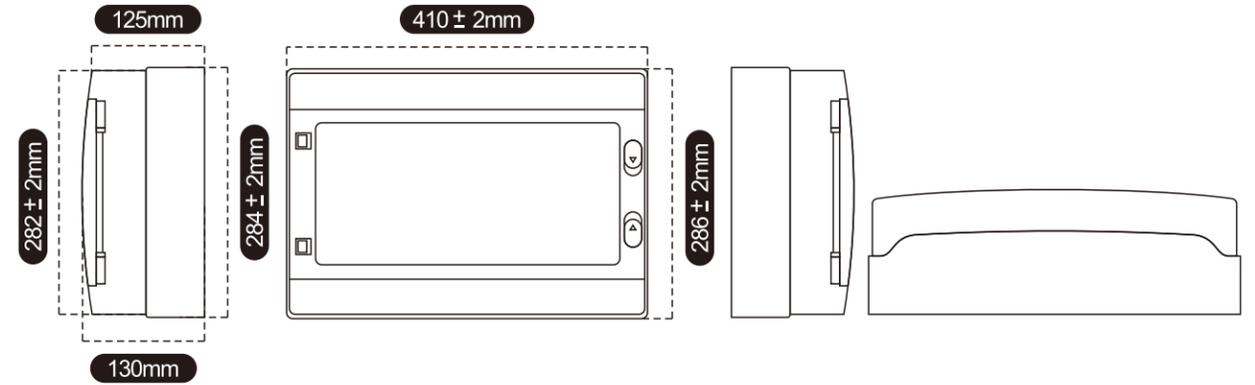
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# PV Combiner Box 3in 3out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX3/3DC500VB1

LQX3/3DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



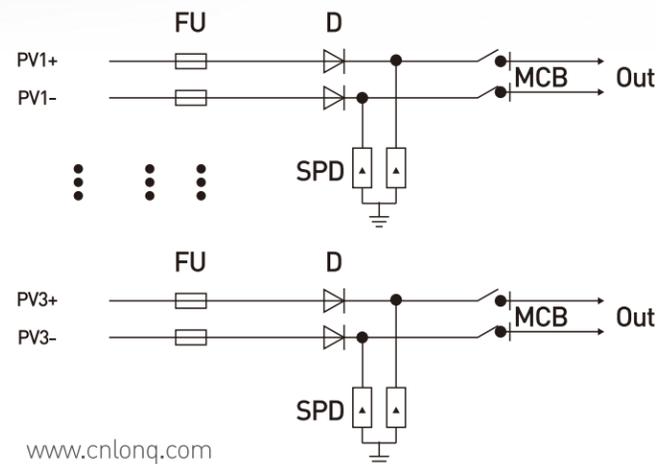
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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		
Model	LQX3/3DC500VB1	LQX3/3DC600VL7
String	3 in 3 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)	285*410*128mm	

	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	

LQX4/1

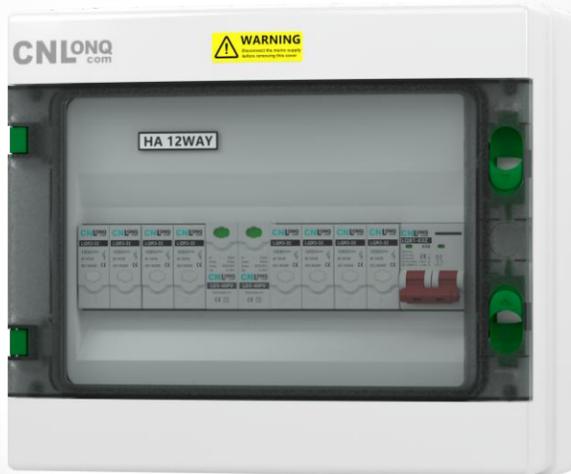
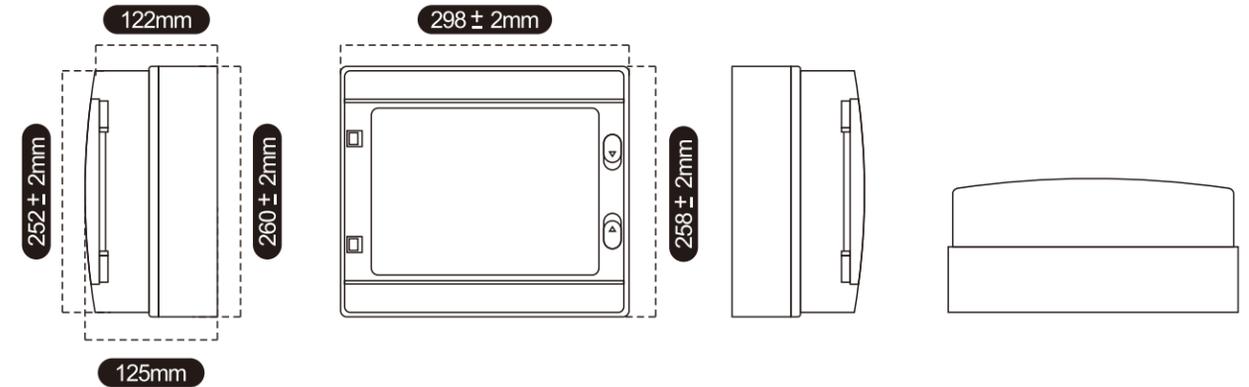
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# PV Combiner Box 4in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX4/1DC500VB1

LQX4/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



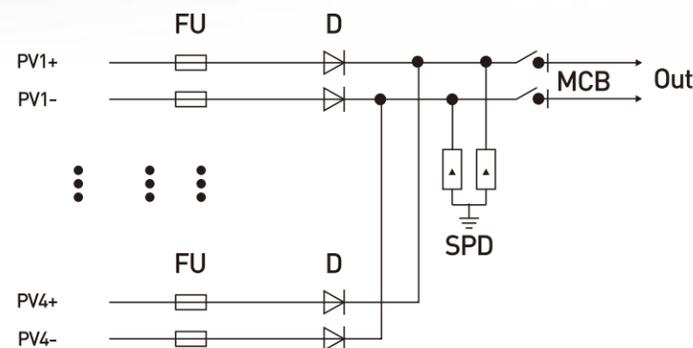
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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		
Model	LQX4/1DC500VB1	LQX4/1DC600VL7
String	4 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)	32/40/50/63/125	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)	258*298*125mm(16~63A), 285*410*128mm(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)	32~125	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	

LQX4/2

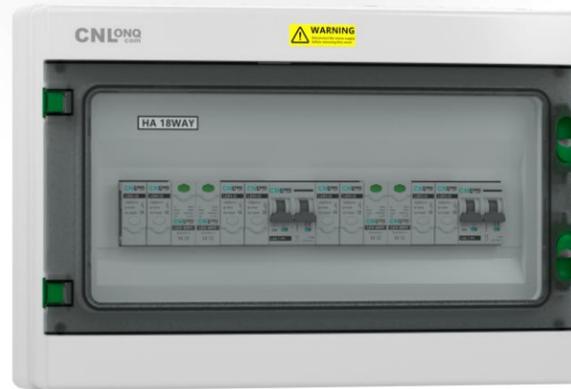
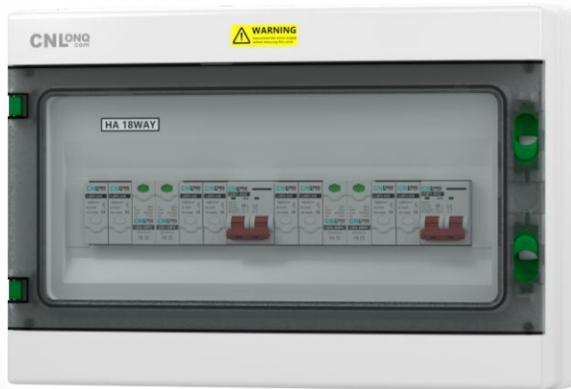
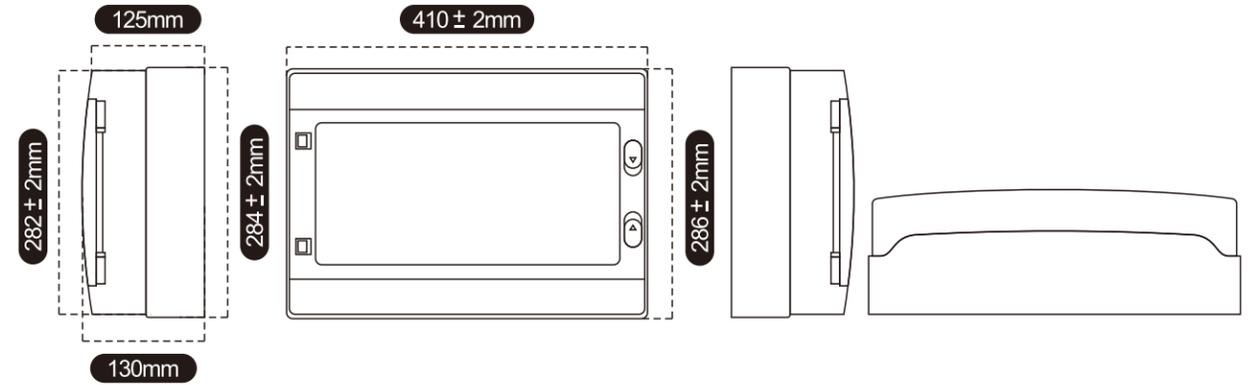
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# PV Combiner Box 4in 2out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX4/2DC500VB1

LQX4/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



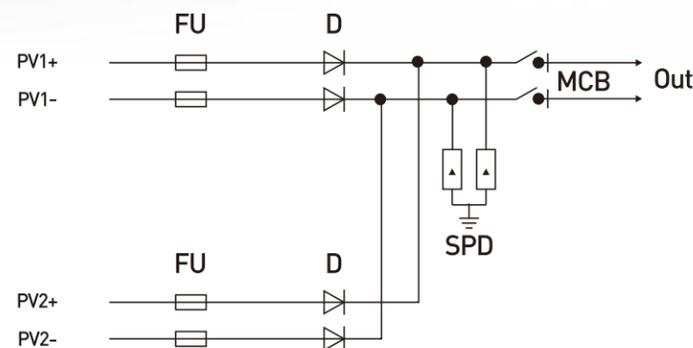
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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	LQX4/2DC500VB1	LQX4/2DC600VL7
String	4 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)	285*410*130mm	

	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 IEC 61643-31	Standard IEC60947-3

LQX4/4

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# PV Combiner Box 4in 4out

## DC 500/600V



LQX4/4DC500VB1



LQX4/4DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



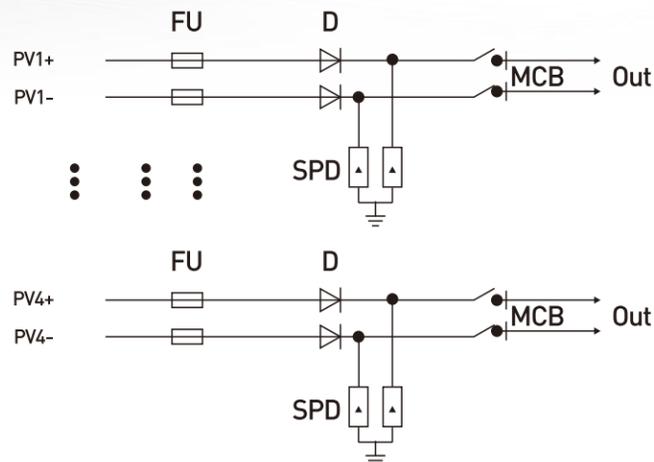
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

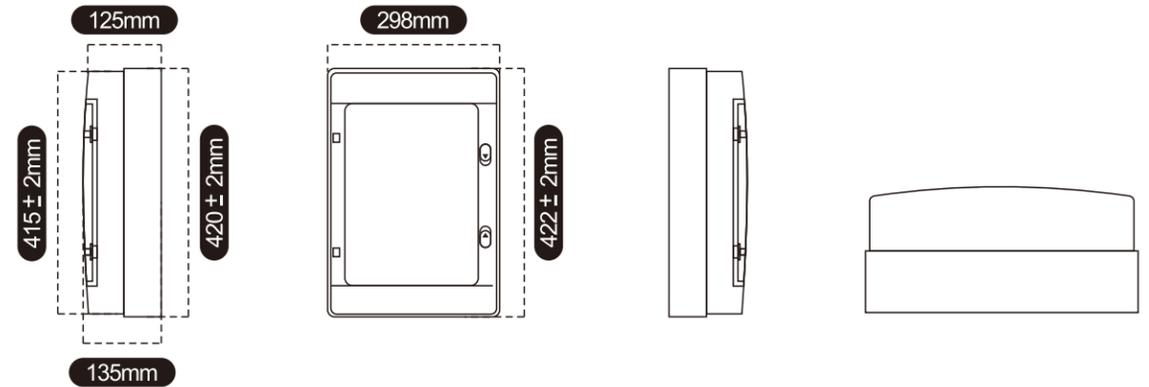


OEM/ODM Free Customization for PV Products



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

### Product Dimension Drawing (mm)



Technical data		
Model	LQX4/4DC500VB1	LQX4/4DC600VL7
String	4 in 4out	
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)	422*298*135mm	

	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) standard	6	Protection Level (kV) 2.2	Standard IEC60947-3
	IEC 60947-2	standard IEC 61643-31	

LQX5/1

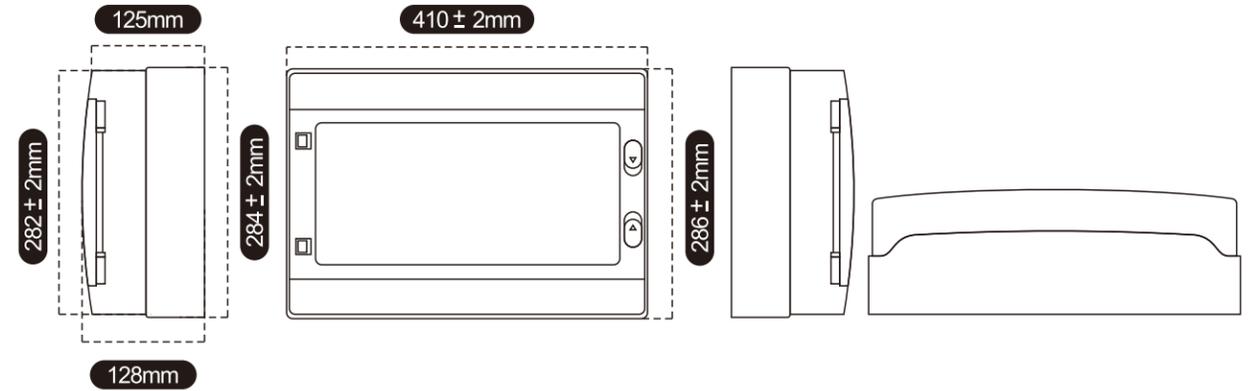
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# PV Combiner Box 5in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX5/1DC500VB1



IP65 outdoor waterproof and sun resistant UV-resistant



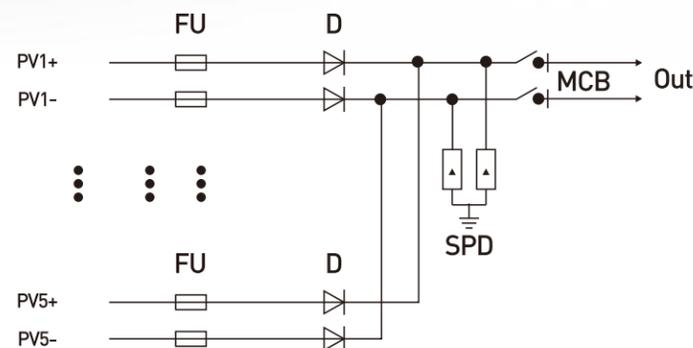
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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		
Model	LQX5/1DC500VB1	LQX5/1DC600VL7
String	5 in 1out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/40/50/63/125	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)	285*410*130mm	

	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)	32~125	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	

LQX6/1

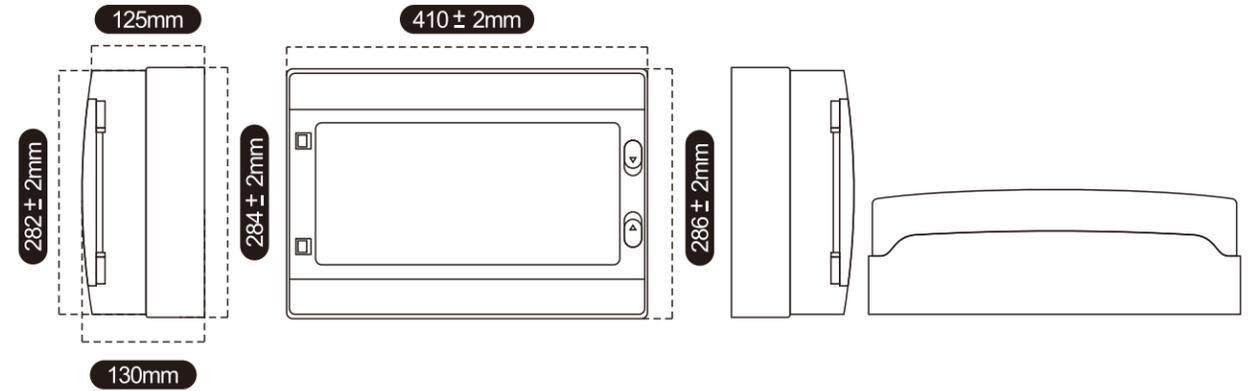
CE ISO COMPASS R6HS IEC IP65

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# PV Combiner Box 6in 1out

## DC 500/600V

### Product Dimension Drawing (mm)



LQX6/1DC500VB1



IP65 outdoor waterproof and sun resistant UV-resistant



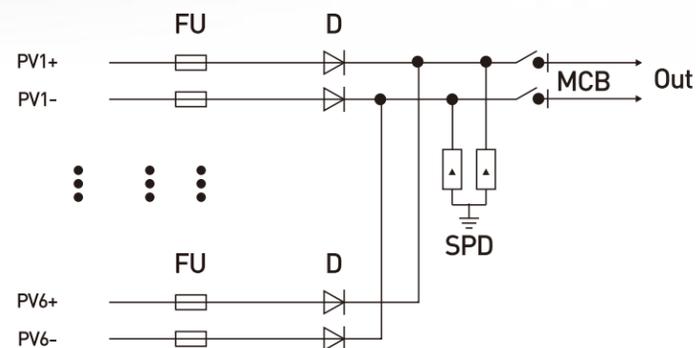
Short-circuit protection, overload protection, lightning protection, Isolation circuit



PC+ABS housing, IK10 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		
Model	LQX6/1DC500VB1	LQX6/1DC600VL7
String	6 in 1out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/40/50/63/125	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)	285*410*130mm	

	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)	32~125	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	

LQX6/2

CE ISO COMPASS ROHS IEC IP65

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# PV Combiner Box 6in 2out

## DC 500/600V



LQX6/2DC500VB1



LQX6/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



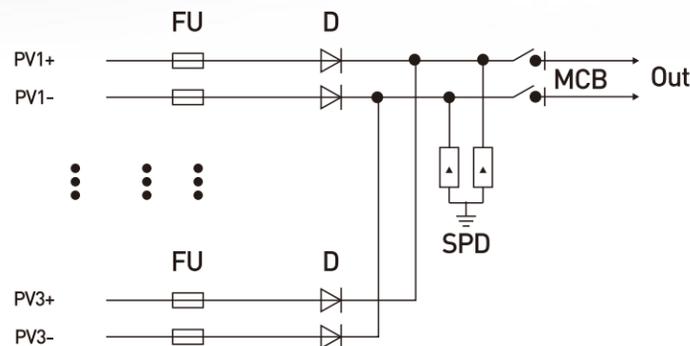
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



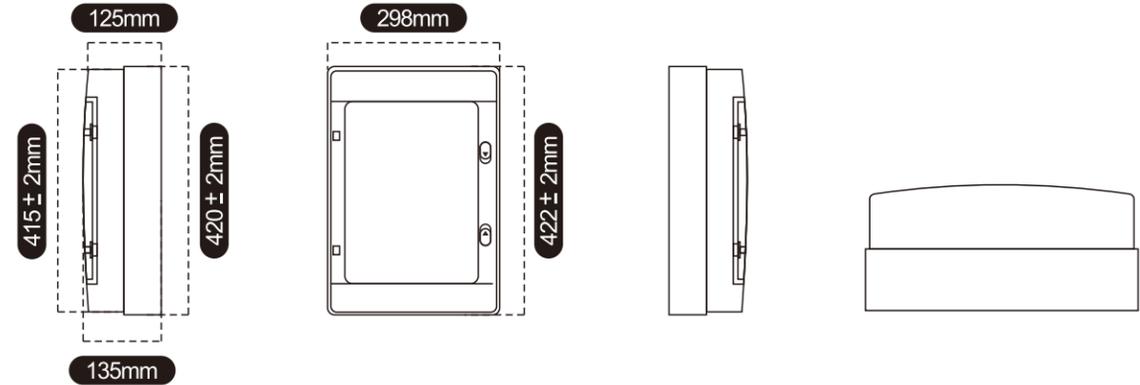
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MCB: Miniature Circuit Breaker  
 FU: Fuse+Fuse holder  
 SPD: Surge Protection Device  
 D: Anti-reflection diode (optional)

\*Includes 2 Lines Of This Type

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX6/2DC500VB1	LQX6/2DC600VL7
String	6 in 2out	
Rated Voltage Ue (V)	DC 500	DC 600
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/40/50/63/125	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)	285*410*130mm	

	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)	32~125	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	

LQX6/3

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# PV Combiner Box 6in 3out

## DC 500/600V



LQX6/3DC500VB1



LQX6/3DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



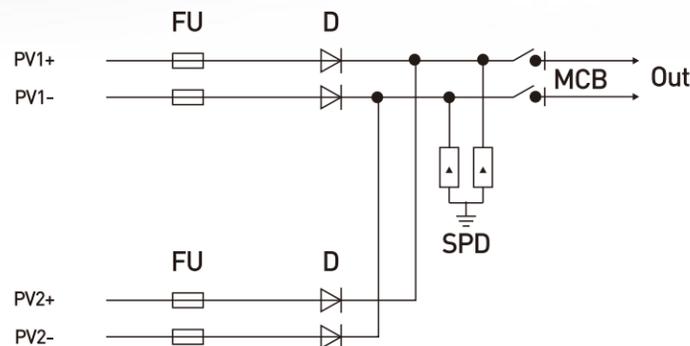
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



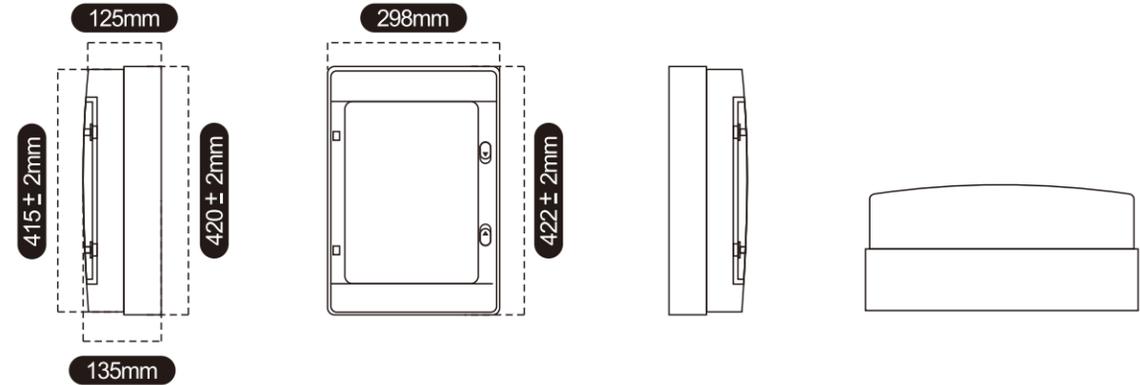
OEM/ODM Free Customization for PV Products



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

\*Includes 3 Lines Of This Type

### Product Dimension Drawing (mm)



Technical data		
Model	LQX6/3DC500VB1	LQX6/3DC600VL7
String	6 in 3out	
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)	285*410*130mm	

	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)	32~125	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	

LQX1/1

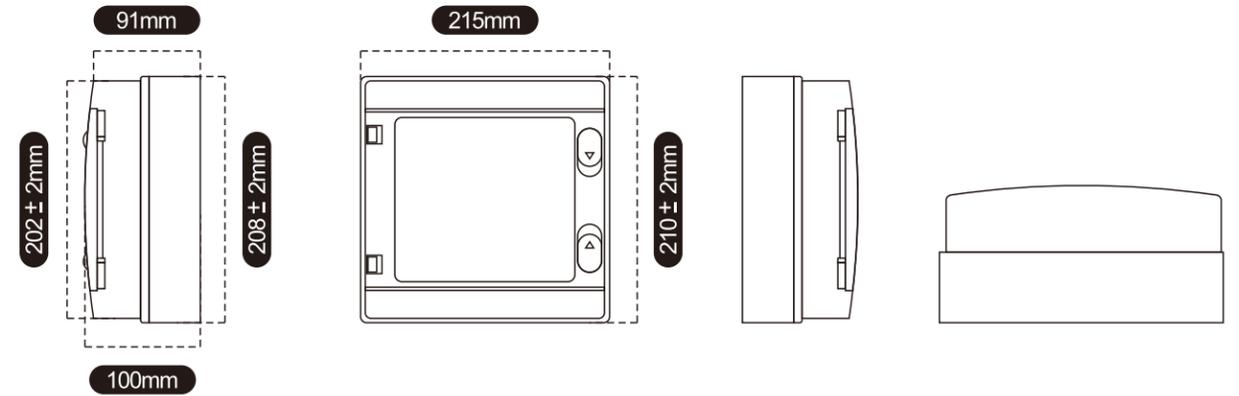


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# PV Combiner Box 1in 1out

## DC 1000V

### Product Dimension Drawing (mm)



LQX1/1DC1000VQ

LQX1/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



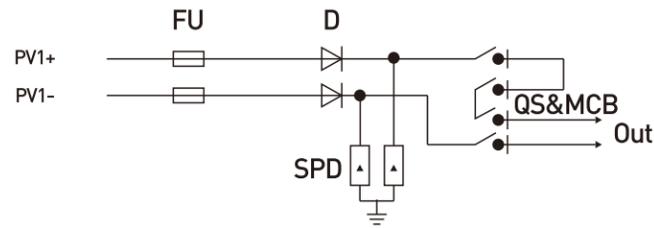
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



OEM/ODM Free Customization for PV Products



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

Technical data		
Model	LQX1/1DC1000VQ	LQX1/1DC1000VB1
String	1 in 1 out	
Rated Voltage Ue (V)	DC 1000	
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/63	32/40/50/63
Quality Certificate	TUV,CB,UKCA,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)	210*215*100	

	QS	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1500	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/63	32/40/50/63	I <sub>max</sub> (8/20)us (kA) 40	Fuse Size (mm) 10*38
I <sub>cu</sub> (kA)	6	6	Protection Level (kV) 3.6	Standard IEC60947-3
standard	IEC 60947-3	IEC 60947-2	standard IEC 61643-31	

LQX2/1

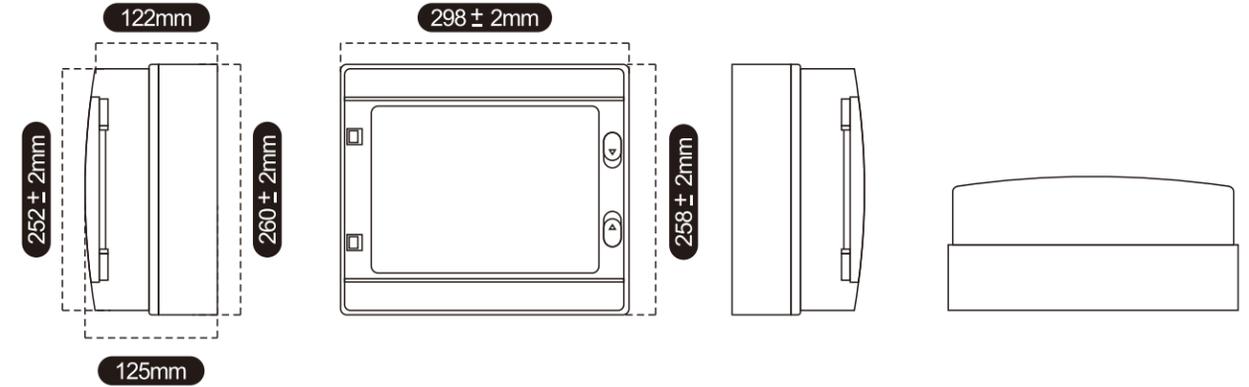
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# PV Combiner Box 2in 1out

## DC 1000V

### Product Dimension Drawing (mm)



LQX2/1DC1000VQ

LQX2/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



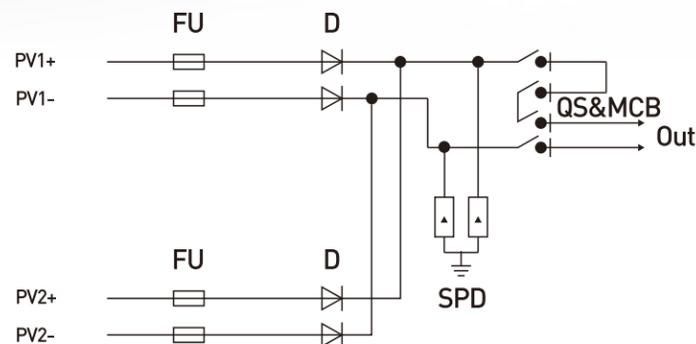
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



OEM/ODM Free Customization for PV Products



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

Technical data		
Model	LQX2/1DC1000VQ	LQX2/1DC1000VB1
String	2 in 1 out	
Rated Voltage Ue (V)	DC 1000	
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/63	32/40/50/63
Quality Certificate	TUV,CB,UKCA,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)	258*298*125	

	QS	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1500	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/63	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) 3.6	Standard IEC60947-3
standard	IEC 60947-3	IEC 60947-2	standard IEC 61643-31	

LQX2/2

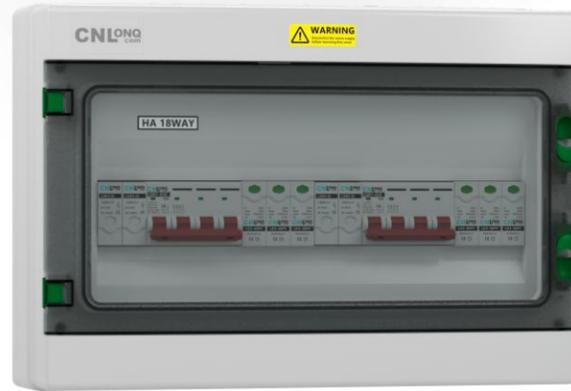
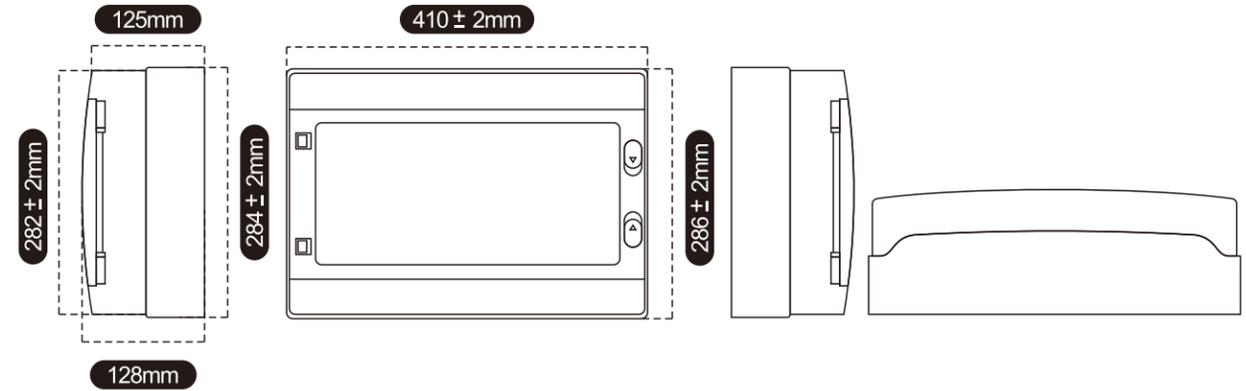
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# PV Combiner Box 2in 2out

## DC 1000V

### Product Dimension Drawing (mm)



LQX2/2DC1000VQ

LQX2/2DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



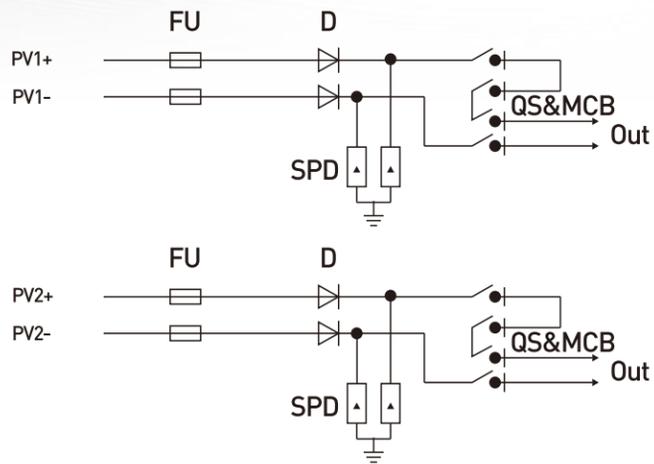
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



OEM/ODM Free Customization for PV Products



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

Technical data		
Model	LQX2/2DC1000VQ	LQX2/2DC1000VB1
String	2 in 2 out	
Rated Voltage Ue (V)	DC 1000	
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/63	32/40/50/63
Quality Certificate	TUV,CB,UKCA,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)	285*410*130	

	QS	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000	In (8/20)us (kA)	20
Rated Current In(A)	32/63	32/40/50/63	I <sub>max</sub> (8/20)us (kA)	40
I <sub>cu</sub> (kA)		6	Protection Level (kV)	3.6
standard	IEC 60947-3	IEC 60947-2	standard	IEC 61643-31
			Rated Voltage Ue (V)	DC1000
			Rated Current In(A)	15/20/25/30
			Fuse Size (mm)	10*38
			Standard	IEC60947-3

LQX3/1

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# PV Combiner Box 3in 1out

## DC 1000V



LQX3/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



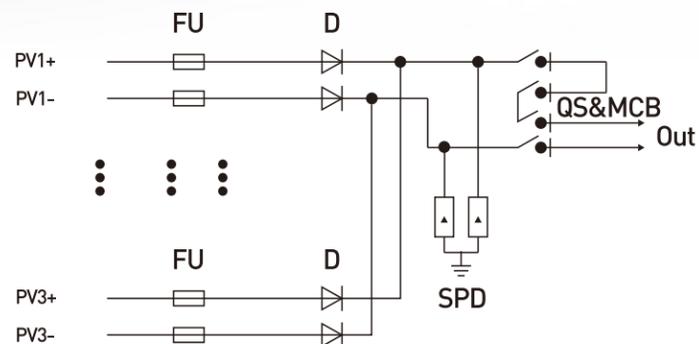
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

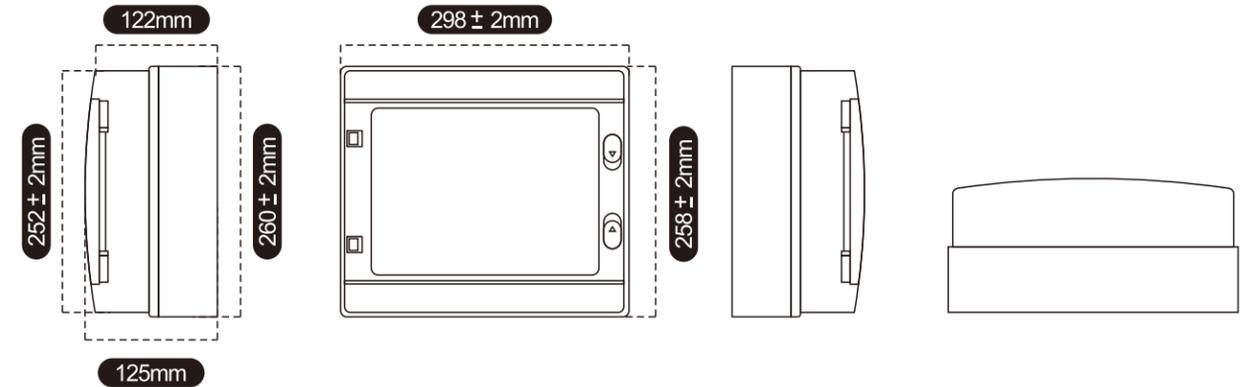


OEM/ODM Free Customization for PV Products



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

### Product Dimension Drawing (mm)



Technical data	
Model	LQX3/1DC1000VB1
String	3 in 1 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	15/20/25/30
Maximum output current per string (A)	32/40/50/63/80/100/125
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)	258*298*125(16~63A), 285*410*128(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)	32~125	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		

LQX3/3

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# PV Combiner Box 3in 3out

## DC 1000V



LQX3/3DC1000VQS



LQX3/3DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



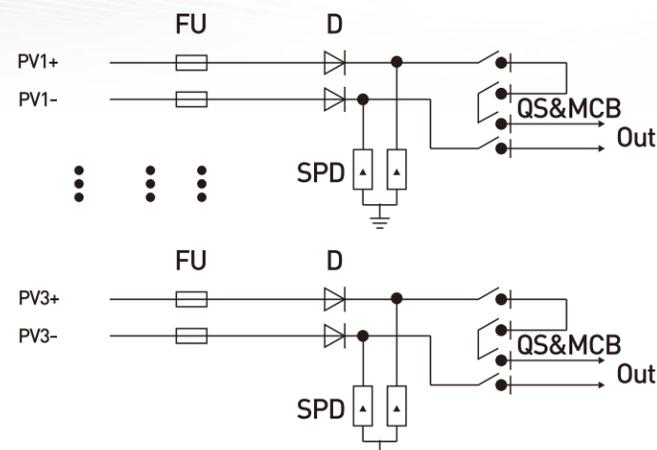
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

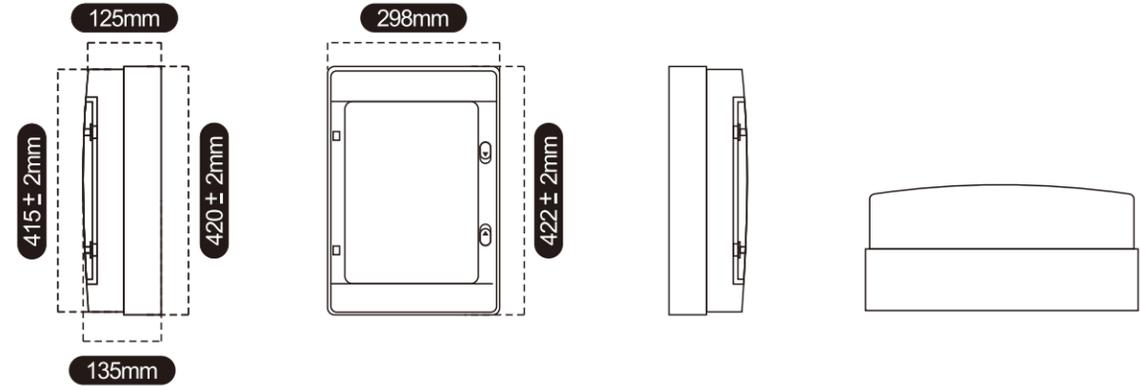


OEM/ODM Free Customization for PV Products



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

### Product Dimension Drawing (mm)



Technical data		
Model	LQX3/3DC1000VQ	LQX3/3DC1000VB1
String	3 in 3 out	
Rated Voltage Ue (V)	DC 1000	
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/63	32/40/50/63
Quality Certificate	TUV,CB,UKCA,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)	422*298*135	

	QS	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000	In (8/20)us (kA)	20
Rated Current In(A)	32/63	32/40/50/63	Imax (8/20)us (kA)	40
Icu (kA)		6	Protection Level (kV)	3.6
standard	IEC 60947-3	IEC 60947-2	standard	IEC 61643-31
			Rated Voltage Ue (V)	DC1000
			Rated Current In(A)	15/20/25/30
			Fuse Size (mm)	10*38
			Standard	IEC60947-3

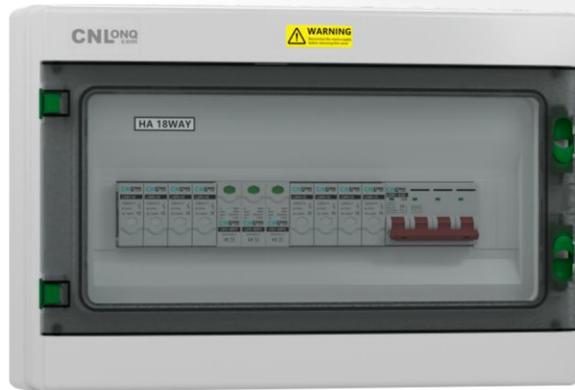
LQX4/1

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# PV Combiner Box 4in 1out

## DC 1000V



LQX4/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



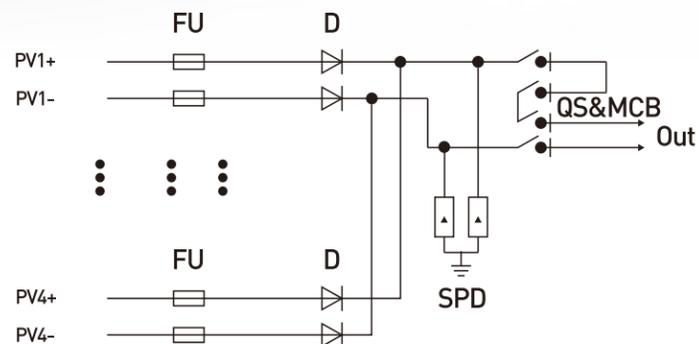
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

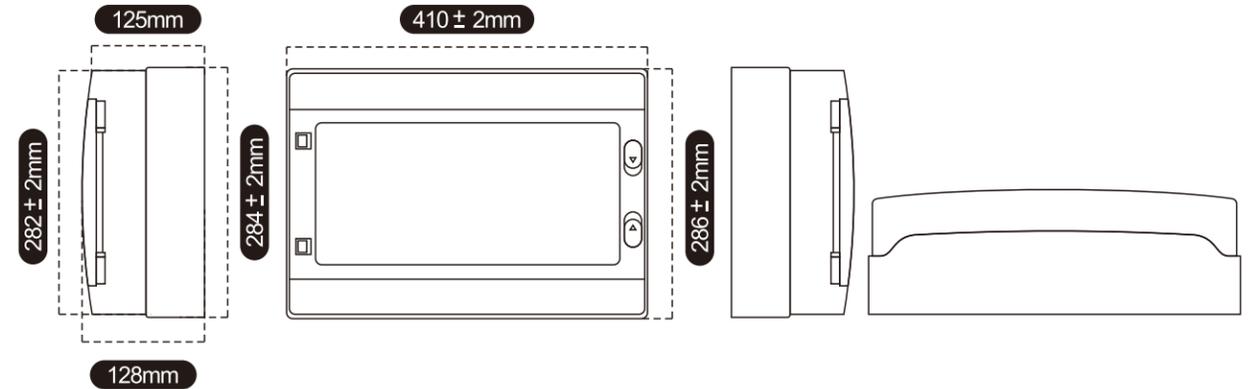


OEM/ODM Free Customization for PV Products



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

### Product Dimension Drawing (mm)



Technical data	
Model	LQX4/1DC1000VB1
String	4 in 1 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	15/20/25/30
Maximum output current per string (A)	32/40/50/63/80/100/125
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)	285*410*130

	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)	32~125	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA) standard	6 IEC 60947-2	Protection Level (kV) 3.6 standard IEC 61643-31	Standard IEC60947-3

LQX4/2

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# PV Combiner Box 4in 2out

## DC 1000V



LQX4/2DC1000VQS



LQX4/2DC1000VB1



IP65 outdoor waterproof and sun resistant  
UV-resistant



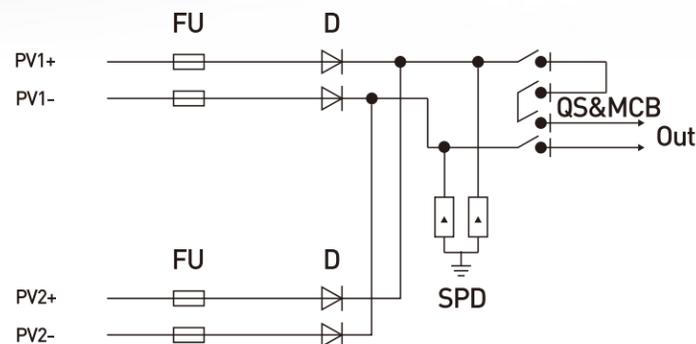
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



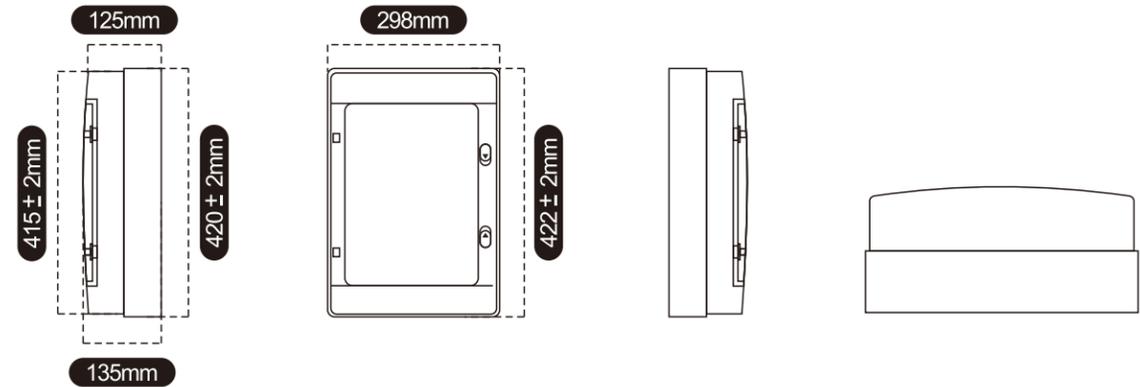
OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator  
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	LQX4/2DC1000VQ	LQX4/2DC1000VB1
String	4 in 2 out	
Rated Voltage Ue (V)	DC 1000	
Maximum input current per string (A)	15/20/25/30	
Maximum output current per string (A)	32/63	32/40/50/63
Quality Certificate	TUV,CB,UKCA,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)	422*298*135	

	QS	MCB	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1000	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1500	DC1000	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
Rated Current In(A)	32/63	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) 3.6	Standard IEC60947-3
standard	IEC 60947-3	IEC 60947-2	standard IEC 61643-31	

LQX5/1

CE ISO 9001 R0HS IEC IP65

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# PV Combiner Box 5in 1out

## DC 1000V



LQX5/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



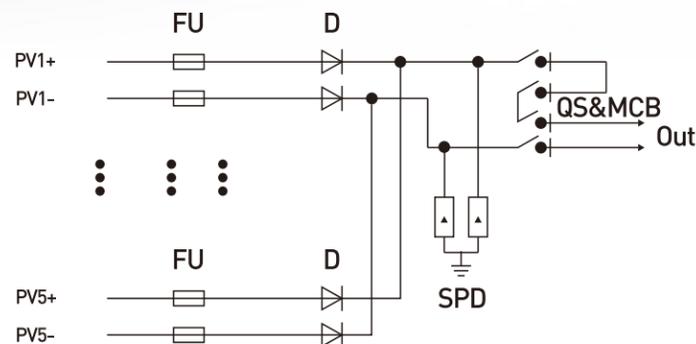
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

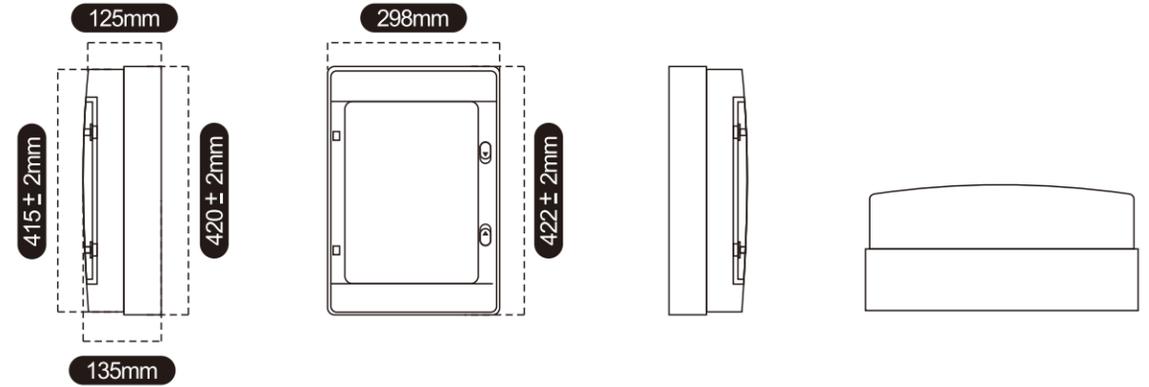


OEM/ODM Free Customization for PV Products



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

### Product Dimension Drawing (mm)



#### Technical data

Model	LQX5/1DC1000VB1
String	5 in 1 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	15/20/25/30
Maximum output current per string (A)	32/40/50/63/80/100/125
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)	422*298*135

	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)	32~125	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	

LQX6/1

CE  RoHS IEC IP65

**CN**LONG.com

# PV Combiner Box 6in 1out

## DC 1000V



LQX6/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



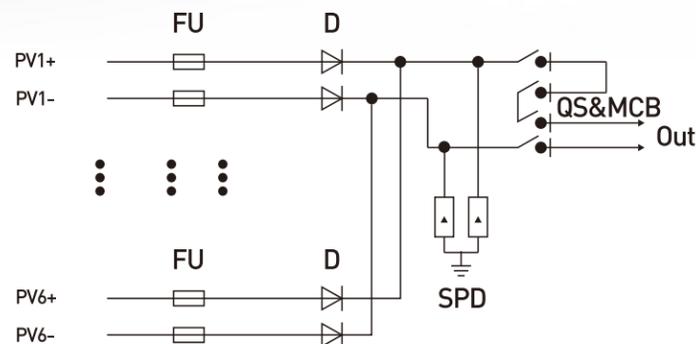
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

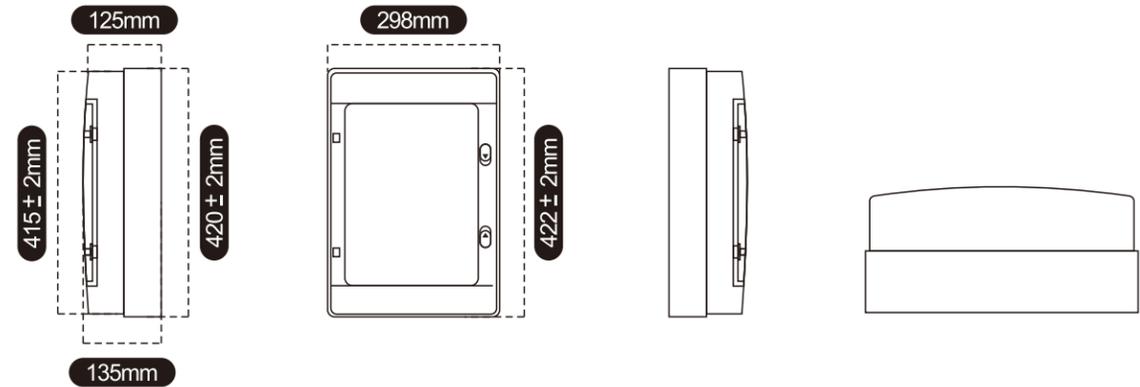


OEM/ODM Free Customization for PV Products



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

### Product Dimension Drawing (mm)



Technical data	
Model	LQX6/1DC1000VB1
String	6 in 1 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	15/20/25/30
Maximum output current per string (A)	32/40/50/63/80/100/125
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)	422*298*135

	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)	32~125	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	

LQX6/2

CE ISO COMPASS R0HS IEC IP65

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# PV Combiner Box 6in 2out

## DC 1000V



LQX6/2DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



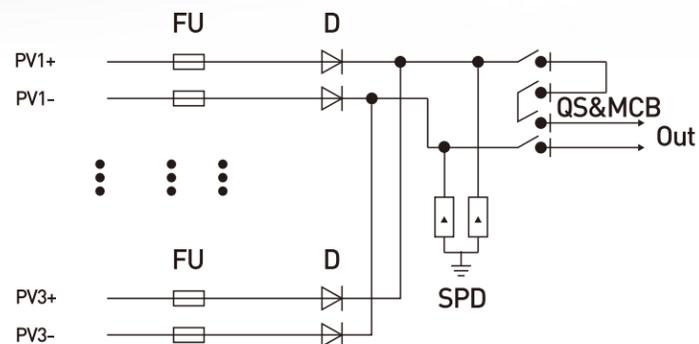
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



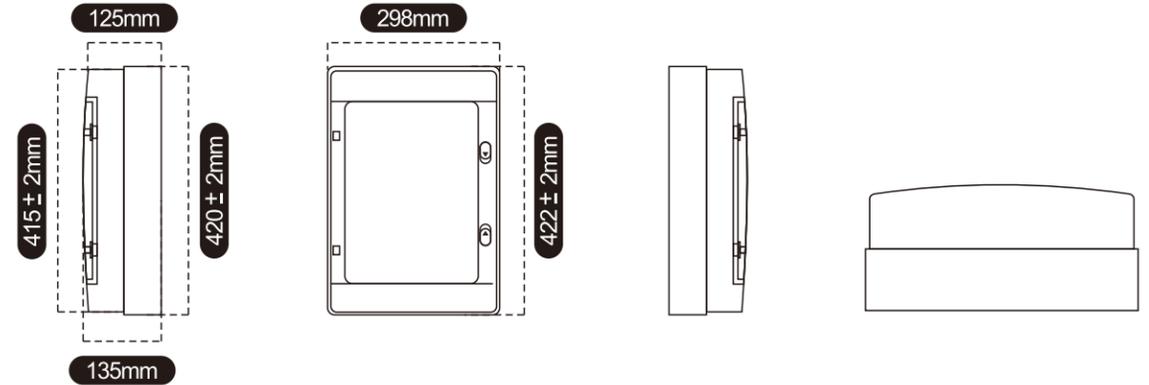
OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator  
 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	LQX6/2DC1000VB1
String	6 in 2 out
Rated Voltage Ue (V)	DC 1000
Maximum input current per string (A)	15/20/25/30
Maximum output current per string (A)	32/40/50/63/80/100/125
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)	422*298*135

	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)	32~125	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	