

PV Combiner Box LQX-A Series



DC500V~1200V 6~125A 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.

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IP65 outdoor waterproof and sun resistant UV-resistant
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Short-circuit protection, overload protection, lightning protection, Isolation circuit
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PC+ABS housing, IK10 impact resistance, flame retardant, corrosion resistant
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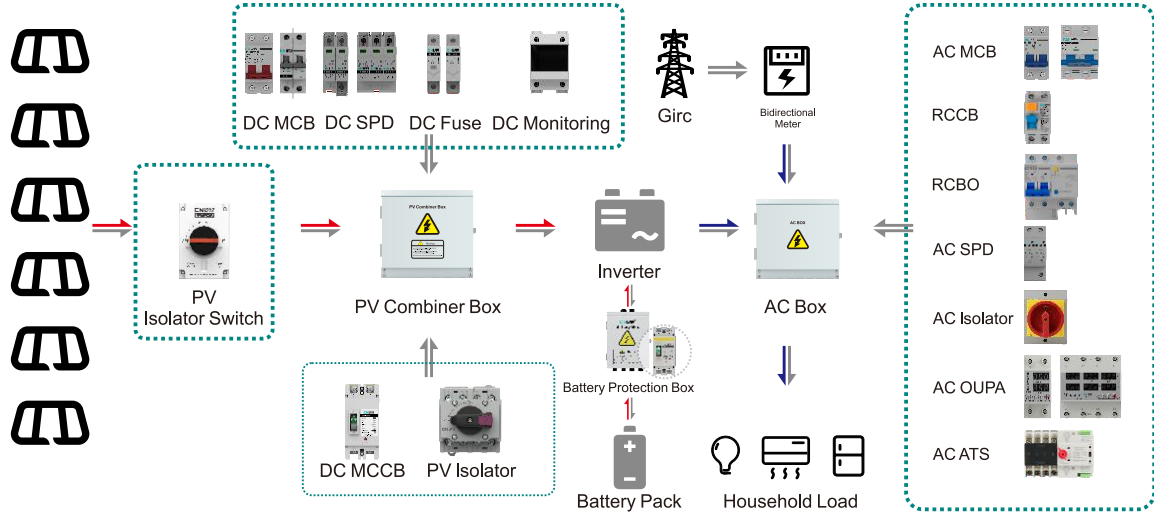
OEM/ODM Free Customization for PV Products

Company Profile

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

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

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



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LQX1/1

CE ISO 9001 RoHS IEC IP65

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PV Combiner Box 1in 1out

DC 500/600V



LQX1/1DC500VB1



LQX1/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



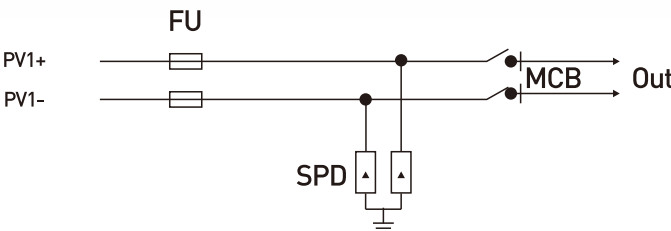
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

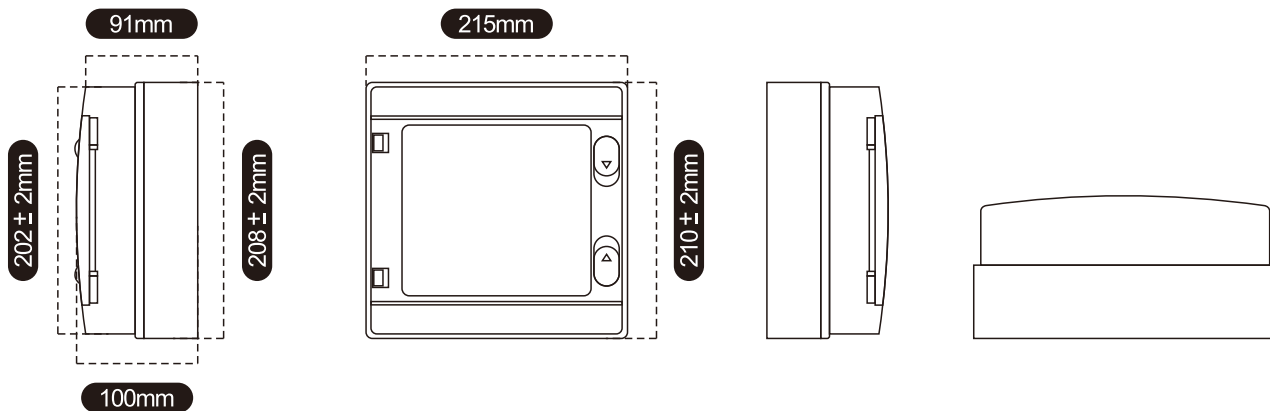


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX2/1

CE ISO 9001 RoHS IEC IP65

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PV Combiner Box 2in 1out

DC 500/600V



LQX2/1DC500VB1



LQX2/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



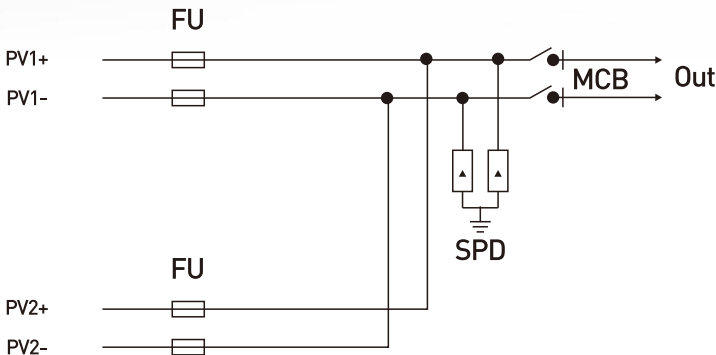
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

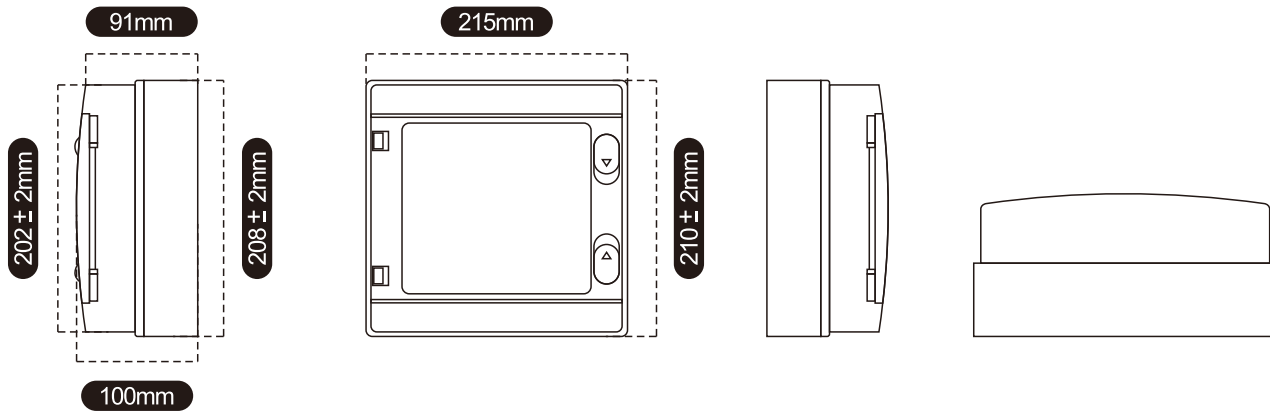


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



Technical data		
Model	LQX2/1DC500VB1	LQX2/1DC600VL7
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)	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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX2/2

CE ISO 9001 R6HS IEC IP65

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PV Combiner Box 2in 2out

DC 500/600V



LQX2/2DC500VB1

LQX2/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



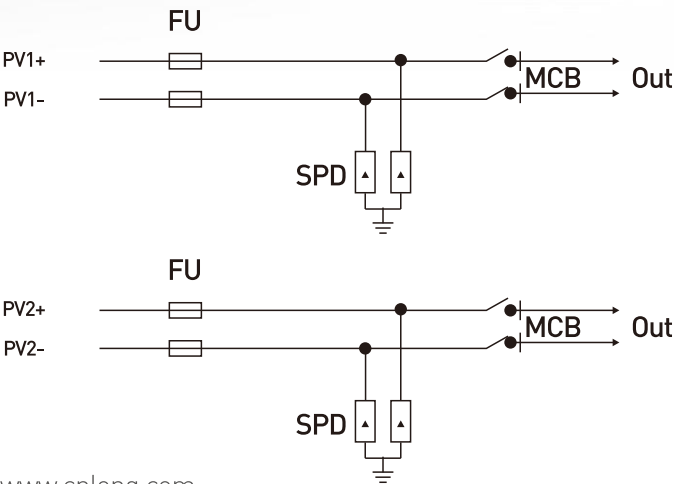
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

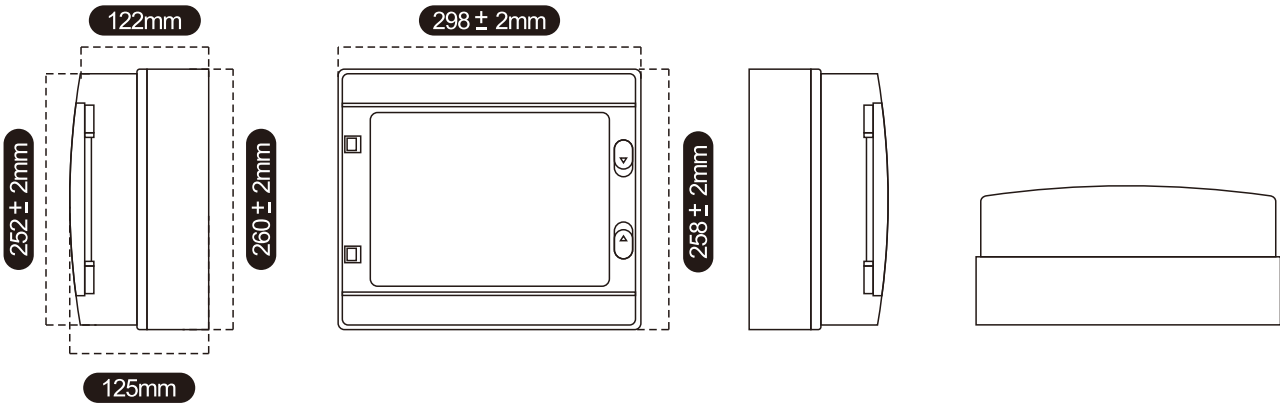


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX3/1

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PV Combiner Box 3in 1out

DC 500/600V



LQX3/1DC500VB1

LQX3/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



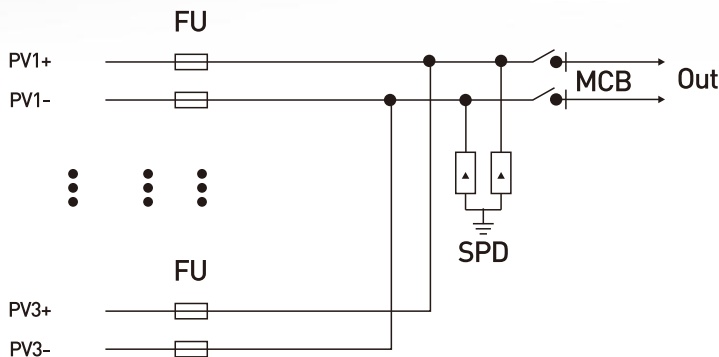
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

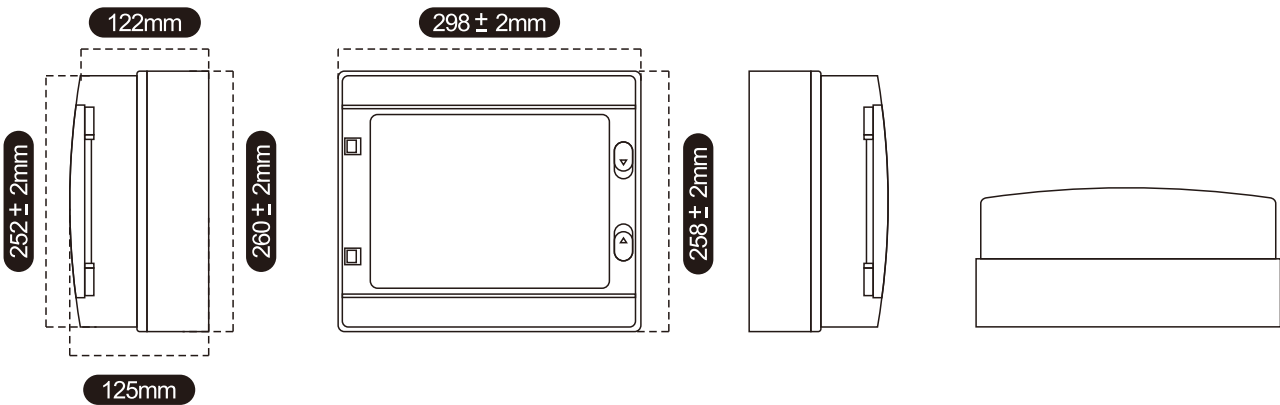


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX3/3

CE



RoHS

IEC

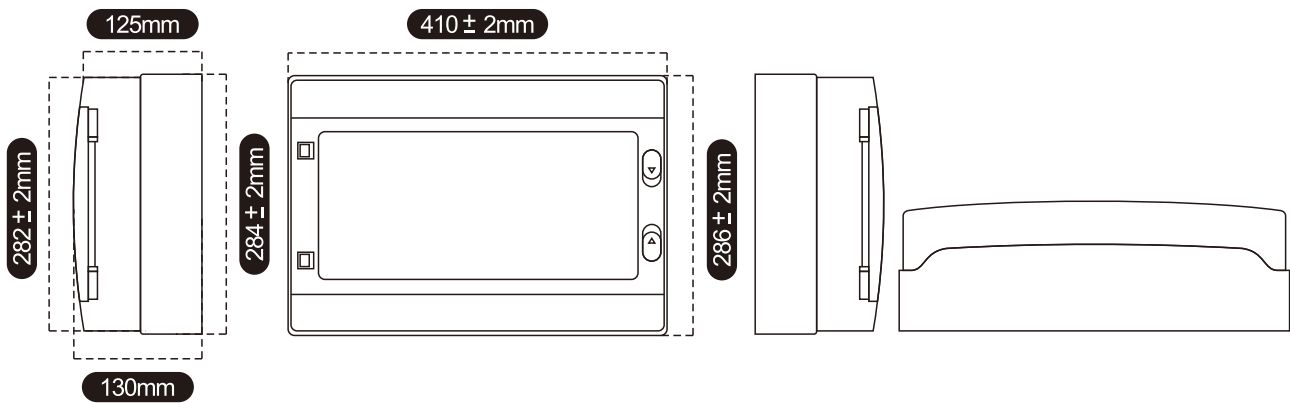
IP65

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PV Combiner Box 3in 3out

DC 500/600V

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		



LQX3/3DC500VB1

LQX3/3DC600VL7

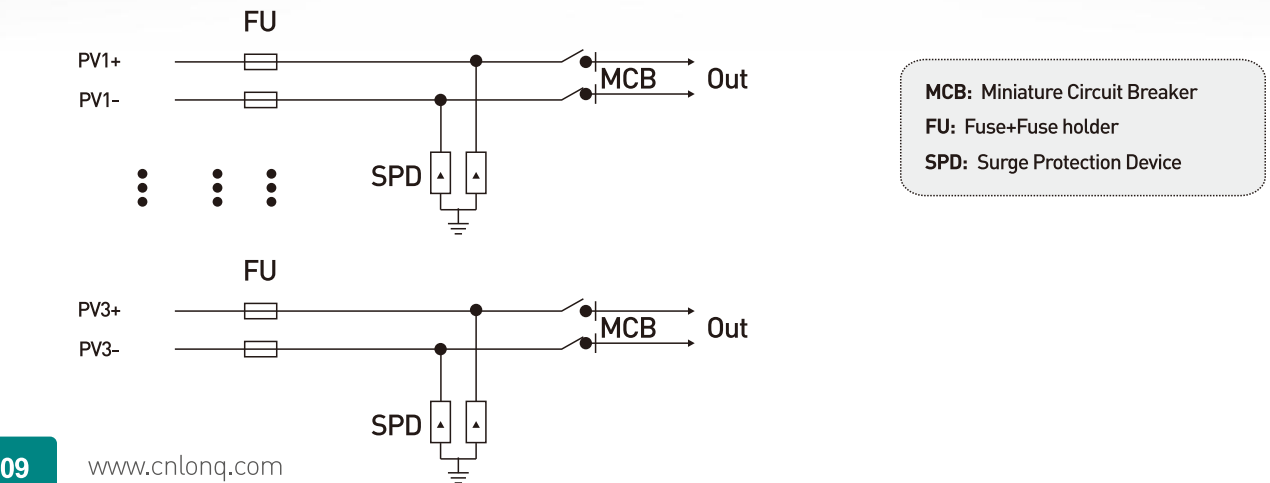
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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



LQX4/1

CE ISO 9001 RoHS IEC IP65



PV Combiner Box 4in 1out

DC 500/600V



LQX4/1DC500VB1



LQX4/1DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



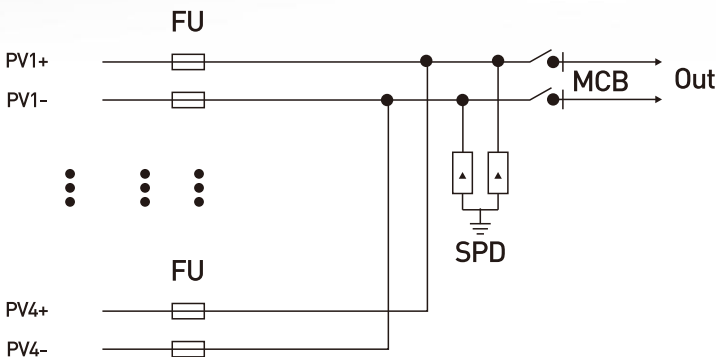
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

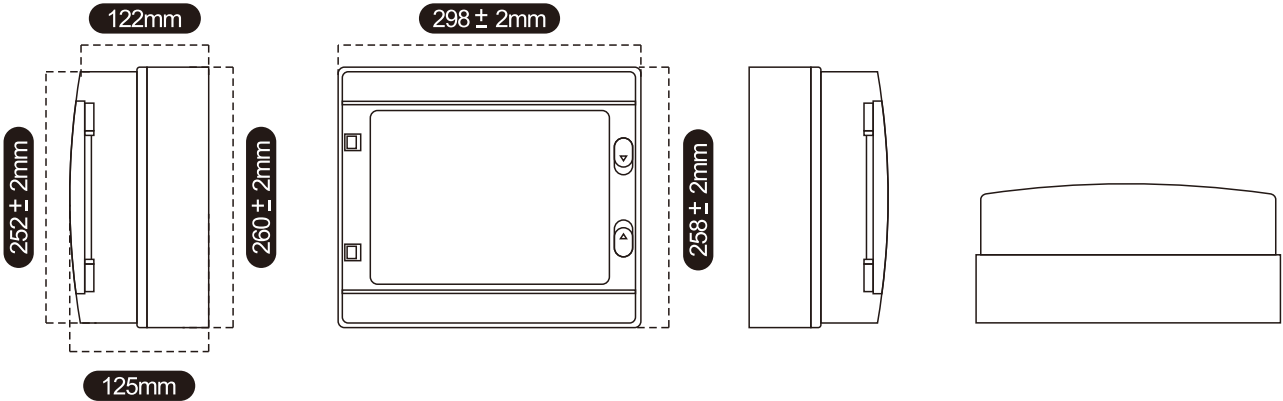


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX4/2

CE RoHS IEC IP65

PV Combiner Box 4in 2out

DC 500/600V



LQX4/2DC500VB1

LQX4/2DC600VL7

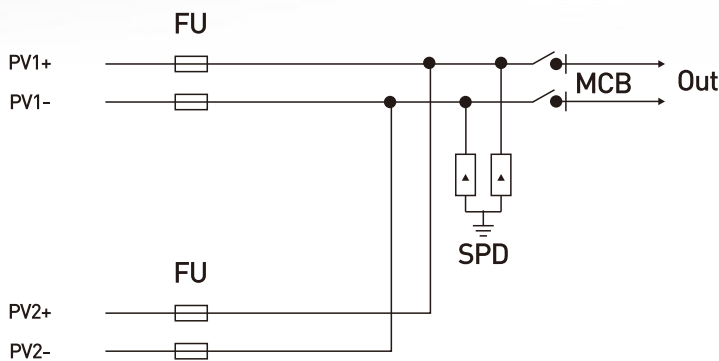
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IP65 outdoor waterproof and sun resistant UV-resistant
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Short-circuit protection, overload protection, lightning protection, Isolation circuit
- 

PC+ABS housing, IK10 impact resistance, flame retardant, corrosion resistant
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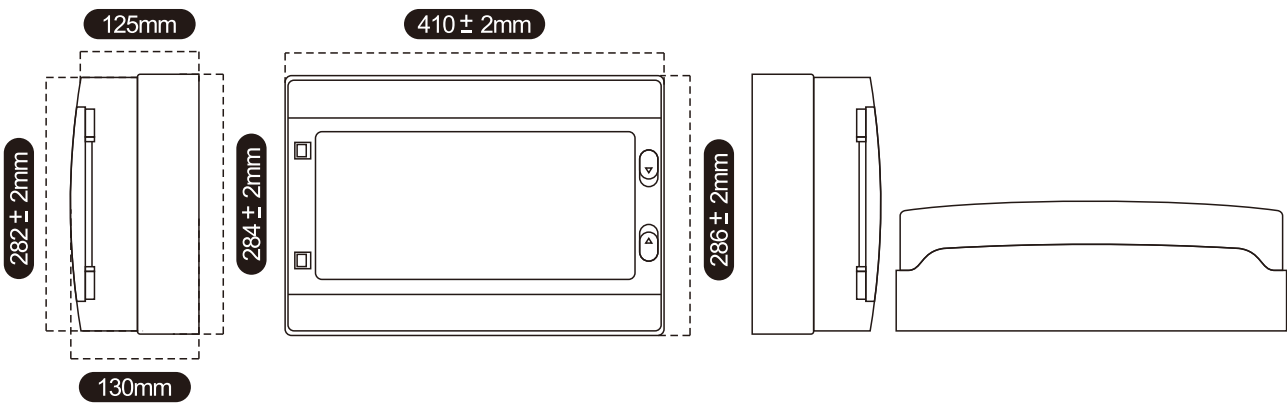
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

*Includes 2 Lines Of This Type

Product Dimension Drawing (mm)



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	I _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

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



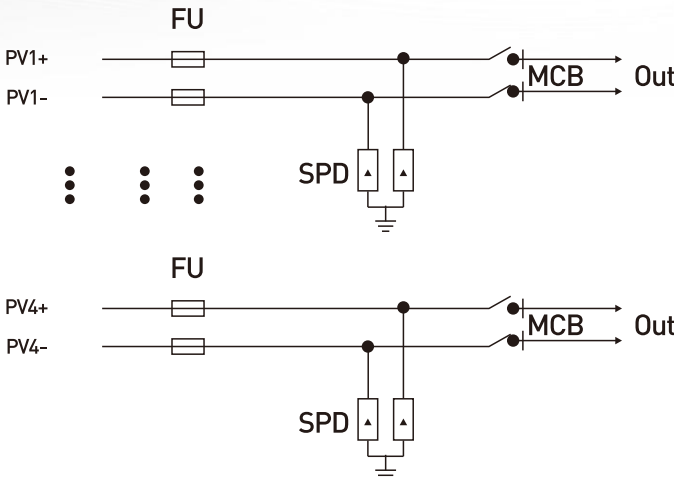
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

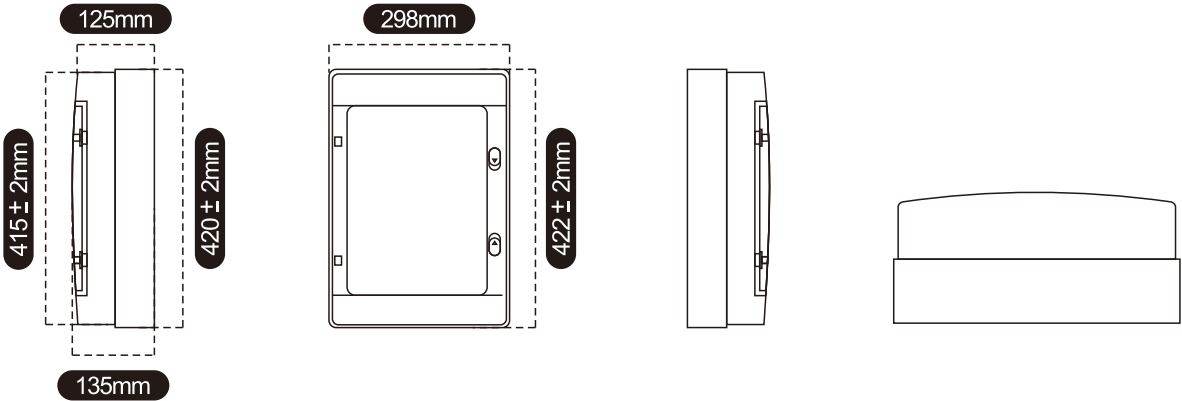


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

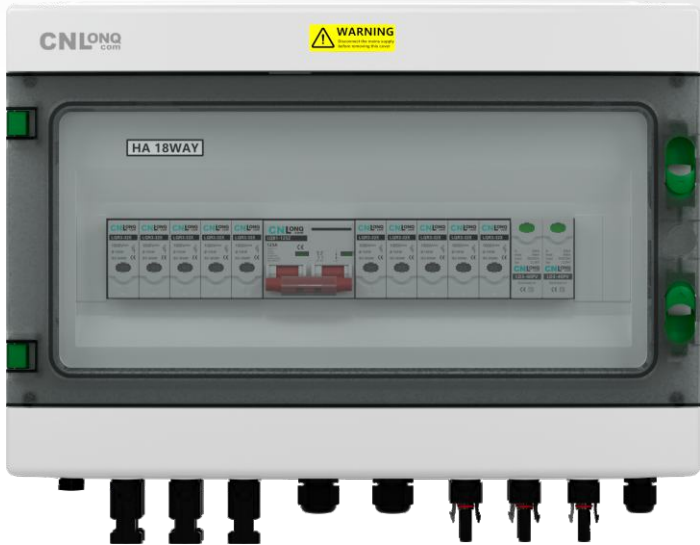
LQX5/1

CE ISO 9001 RoHS IEC IP65

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PV Combiner Box 5in 1out

DC 500/600V



LQX5/1DC500VB1



IP65 outdoor waterproof and sun resistant UV-resistant



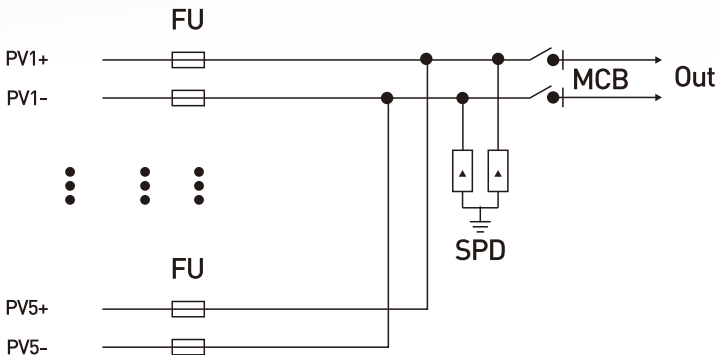
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

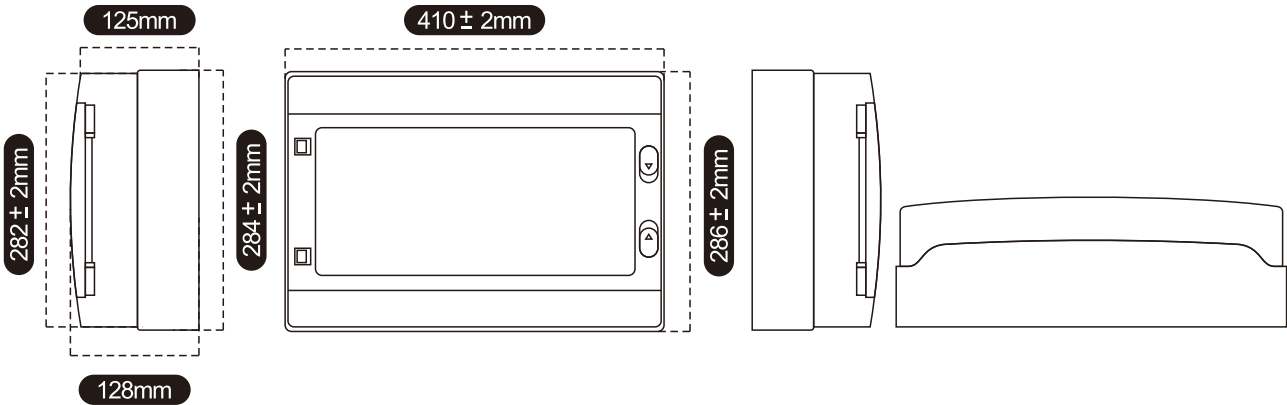


OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

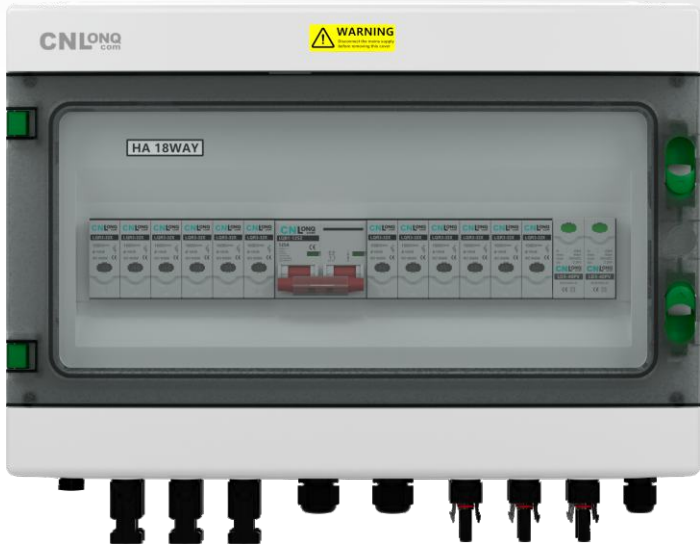
LQX6/1

CE ISO COMPASS R6HS IEC IP65

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PV Combiner Box 6in 1out

DC 500/600V



LQX6/1DC500VB1

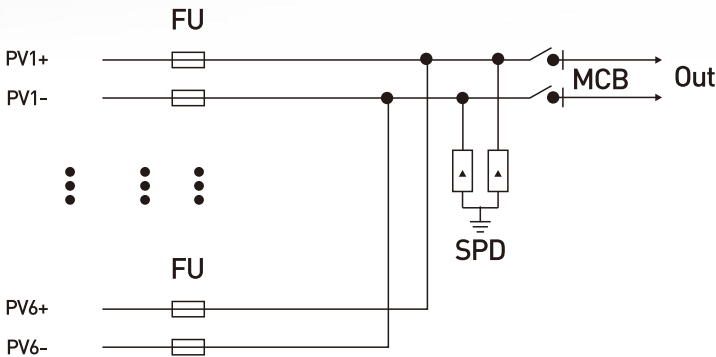
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

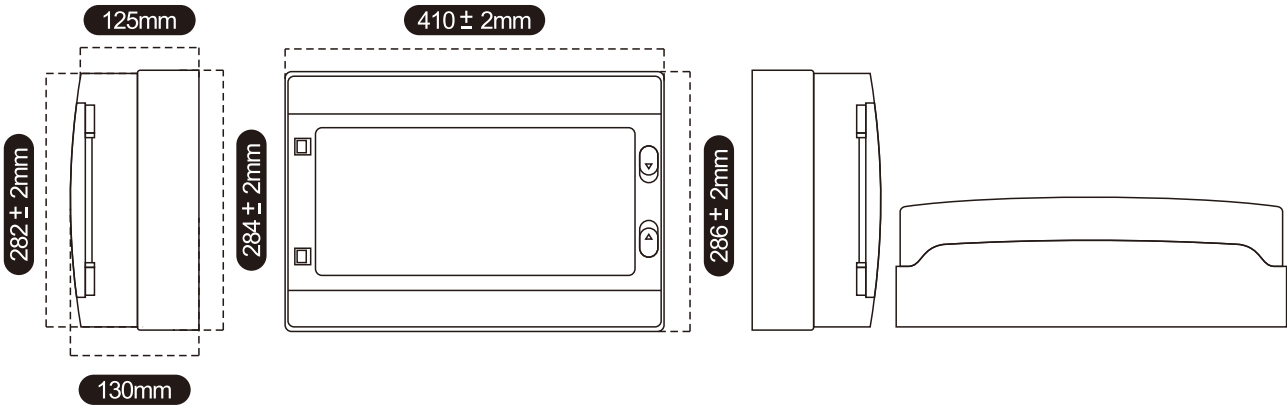
PC+ABS housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX6/2

CE ISO 9001 RoHS IEC IP65

CN LONGQ.com

PV Combiner Box 6in 2out

DC 500/600V



LQX6/2DC500VB1



LQX6/2DC600VL7



IP65 outdoor waterproof and sun resistant UV-resistant



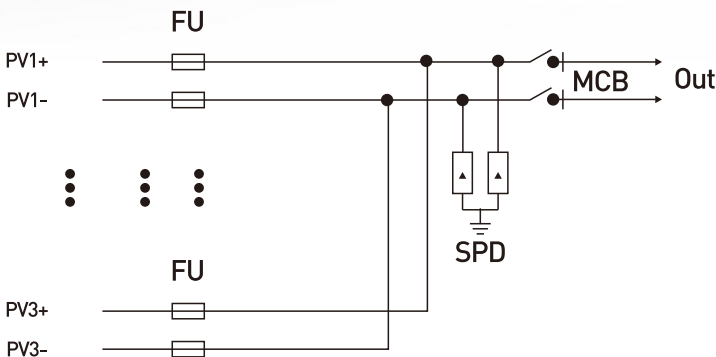
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



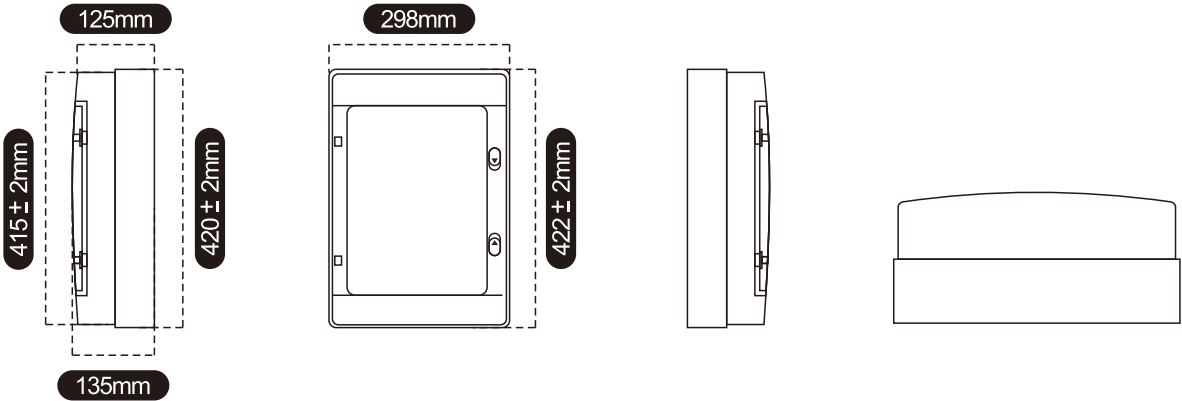
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

*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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX6/3

CE ISO 9001 RoHS IEC IP65

CNLong.com

PV Combiner Box 6in 3out

DC 500/600V



LQX6/3DC500VB1



LQX6/3DC600VL7



IP65 outdoor waterproof and sun resistant
UV-resistant



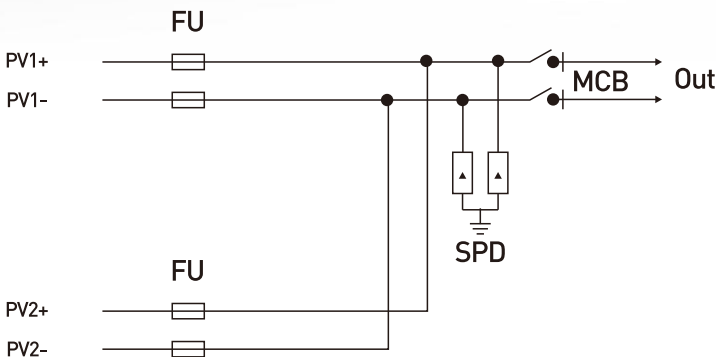
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



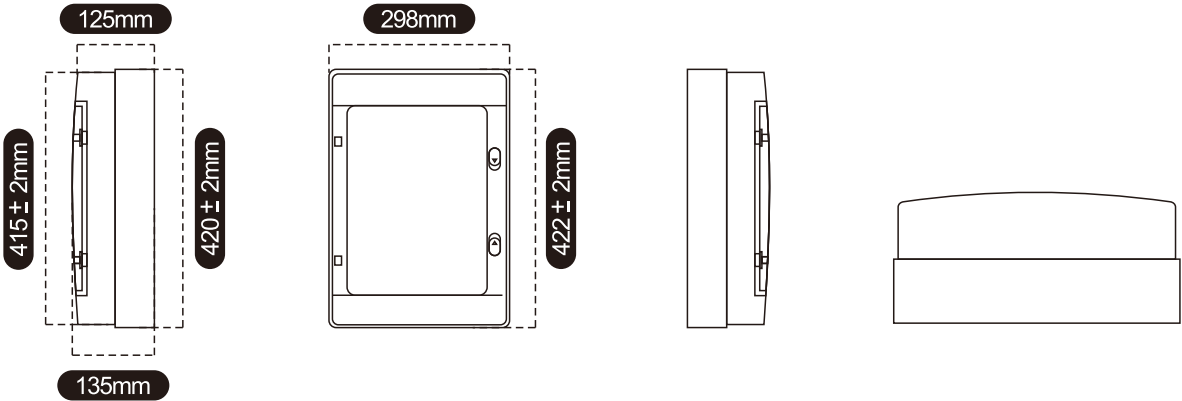
OEM/ODM Free Customization for PV Products



MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

*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 _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6	Protection Level (kV)	2.2	Standard	IEC60269
standard	IEC 60947-2	standard	IEC 61643-31		

LQX1/1















IP65

PV Combiner Box 1in 1out

DC 1000V



LQX-N1/1DC1000VQ



LQX-N1/1DC1000VB1



LQX-N1/1DC1000VL7

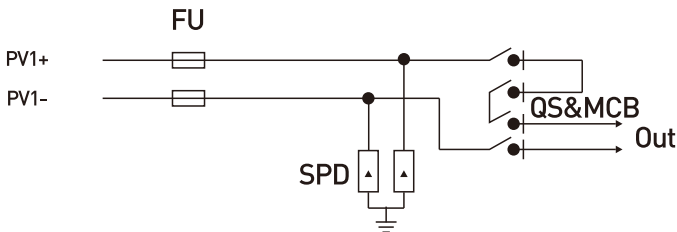
- 

IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

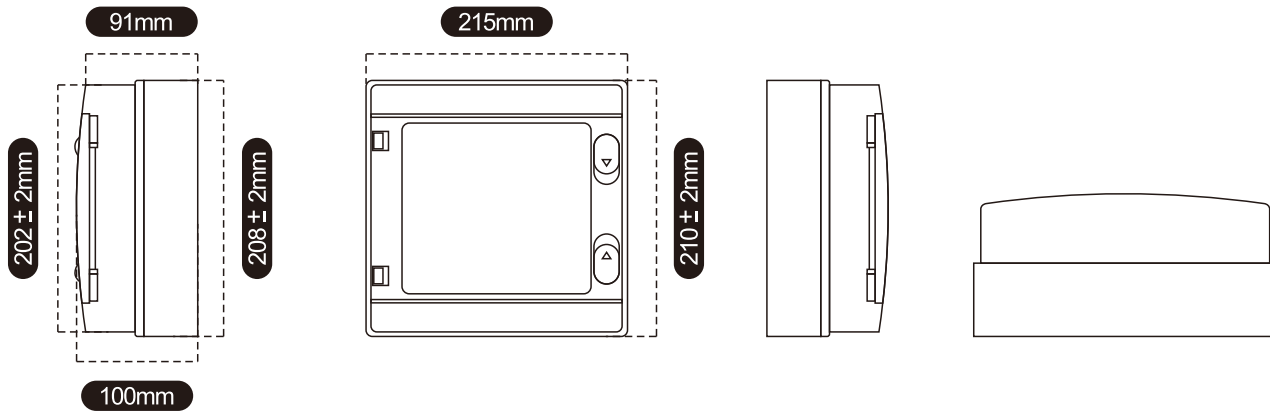
PC+ABS housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



Technical data			
Model	LQX1/1DC1000VQ	DC1000VB1	DC1000VL7
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	32/40/50/63	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*100mm		

	QS Q	MCB B1/L7	SPD	FUSE
Ue (V)	DC1200	DC1000/1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000/1200	In (8/20)us (kA)	20
In (A)	32	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

LQX2/1















IP65

PV Combiner Box 2in 1out

DC 1000V



LQX-N2/1DC1000VQ



LQX-N2/1DC1000VB1



LQX-N2/1DC1000VL7

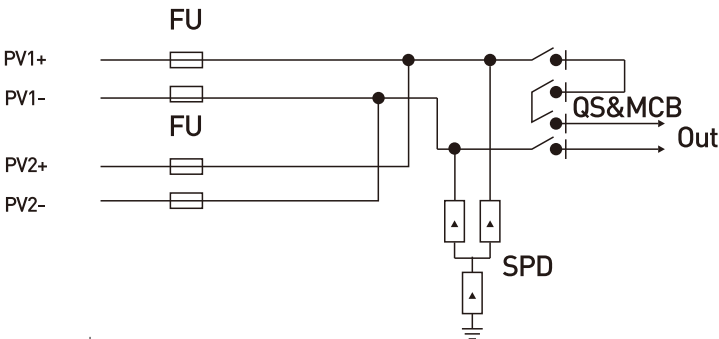
- 

IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

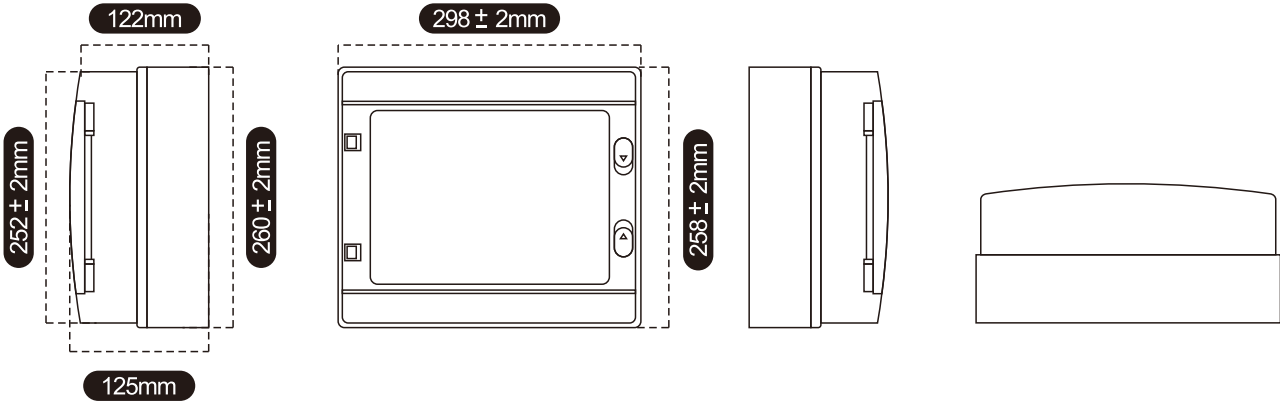
PC+ABS housing, IK10 impact resistance, flame retardant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

Product Dimension Drawing (mm)



Technical data			
Model	LQX2/1DC1000VQ	DC1000VB1	DC1000VL7
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	32/40/50/63	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*125mm		

	QS Q	MCB B1/L7	SPD	FUSE
Ue (V)	DC1200	DC1000/1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000/1200	In (8/20)us (kA)	20
In (A)	32	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	IEC60269

LQX2/2















IP65

PV Combiner Box 2in 2out

DC 1000V



LQX-N2/2DC1000VQ



LQX-N2/2DC1000VB1



LQX-N2/2DC1000VL7

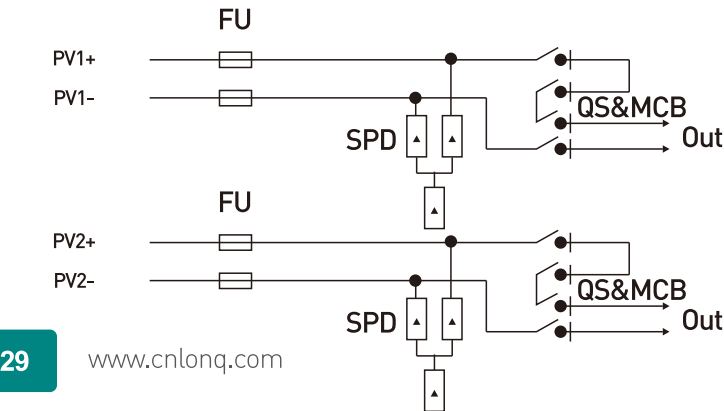
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

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

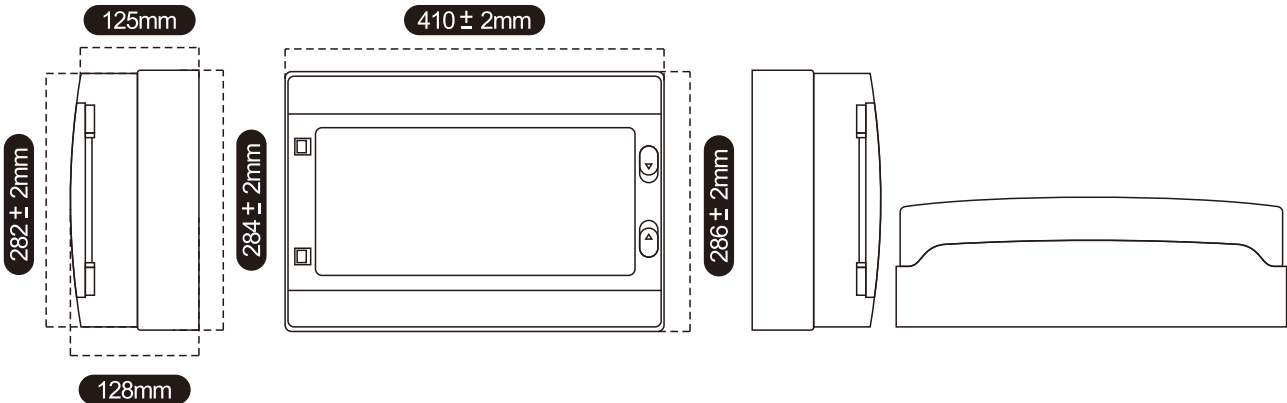
OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device



Product Dimension Drawing (mm)



Technical data			
Model	LQX2/2DC1000VQ	DC1000VB1	DC1000VL7
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	32/40/50/63	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*130mm		

	QS Q	MCB B1/L7	SPD	FUSE
Ue (V)	DC1200	DC1000/1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000/1200	In (8/20)us (kA)	20
In (A)	32	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

LQX3/1

CE ISO 9001 RoHS IEC IP65

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PV Combiner Box 3in 1out

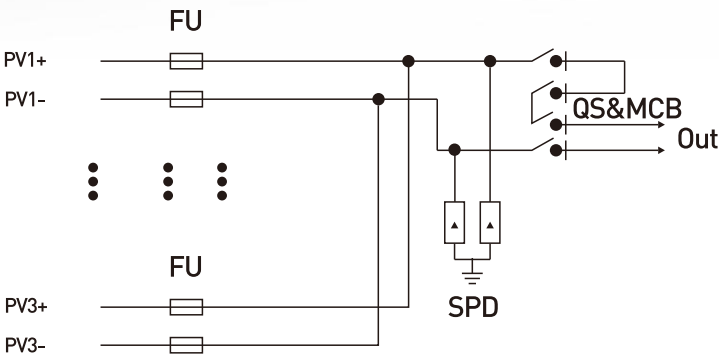
DC 1000V



LQX3/1DC1000VB1

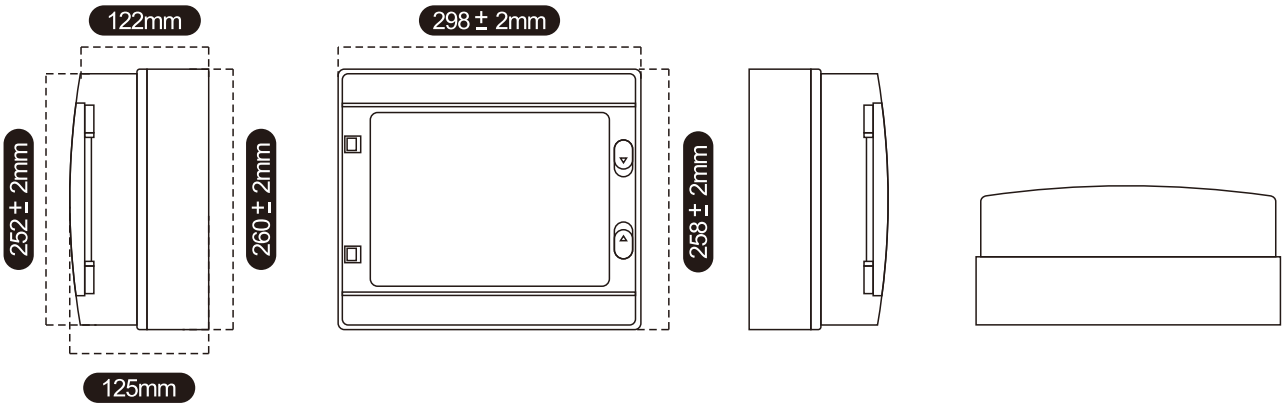
LQX3/1DC1000VL7

- 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

Product Dimension Drawing (mm)



Technical data		
Model	LQX3/1DC1000VB1	LQX3/1DC1000VL7
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	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	B1	L7	SPD		FUSE	
Rated Voltage Ue (V)	DC1000	DC1200	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	DC1200	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)	6		Protection Level (kV)	3.6	Standard	IEC60269
standard	IEC 60947-2		standard	IEC 61643-31		

LQX3/3















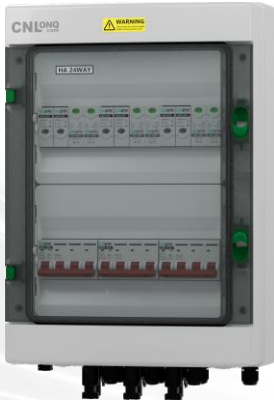


PV Combiner Box 3in 3out

DC 1000V



LQX-N3/3DC1000VQ



LQX-N3/3DC1000VB1



LQX-N3/3DC1000VL7

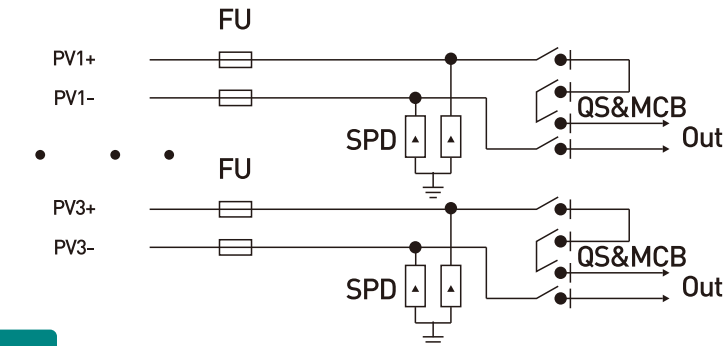
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

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

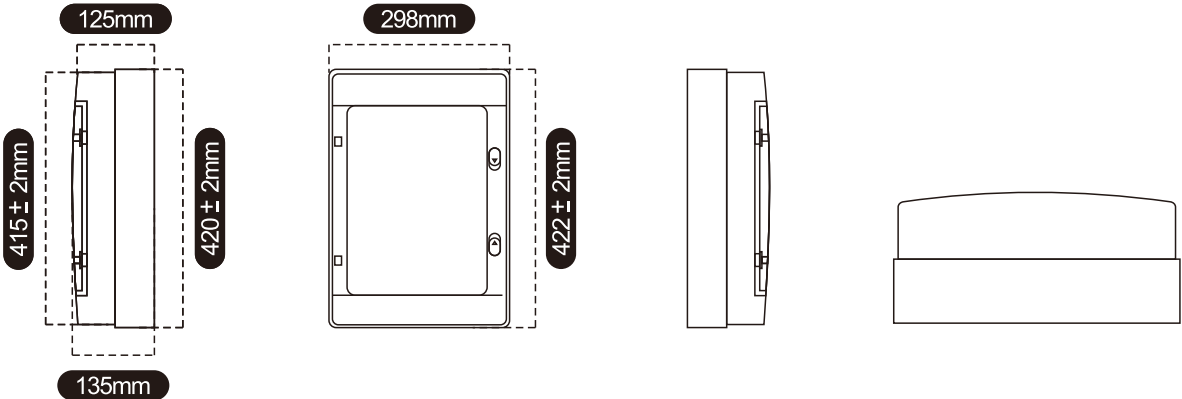
OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

CN LONG.com

Product Dimension Drawing (mm)



Technical data			
Model	LQX3/3DC1000VQ	DC1000VB1	DC1000VL7
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	32/40/50/63	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*135mm		

	QS Q	MCB B1/L7	SPD	FUSE
Ue (V)	DC1200	DC1000/1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000/1200	In (8/20)us (kA)	20
In (A)	32	32/40/50/63	I _{max} (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	IEC60269

LQX4/1

CE ISO RoHS IEC IP65

PV Combiner Box 4in 1out

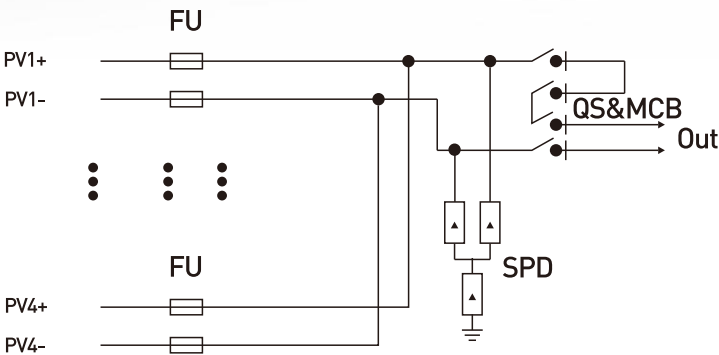
DC 1000V



LQX4/1DC1000VB1

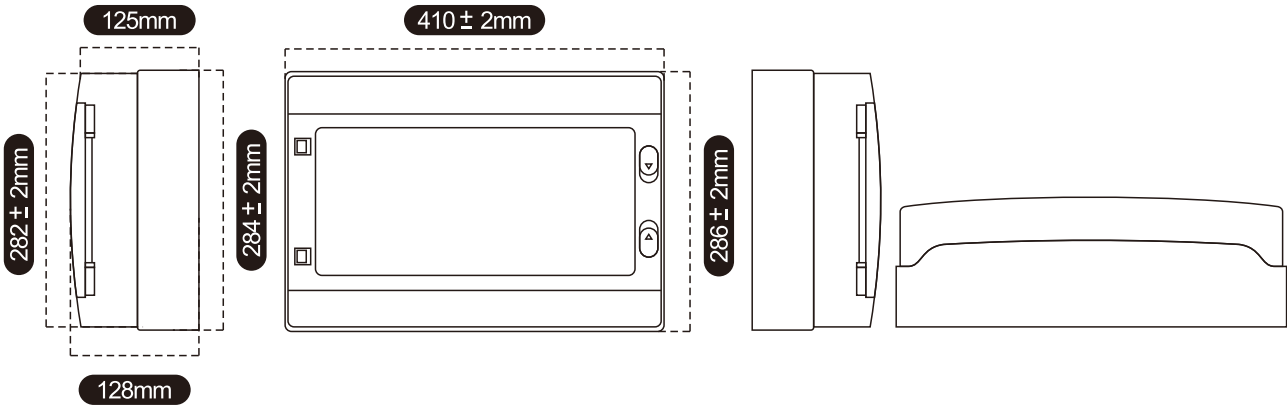
LQX4/1DC1000VL7

- 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

Product Dimension Drawing (mm)



Technical data		
Model	LQX4/1DC1000VB1	LQX4/1DC1000VL7
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	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	B1	L7	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	DC1200	In (8/20)us (kA)	20
Rated Current In(A)	32~125		Imax (8/20)us (kA)	40
Icu (kA)	6		Protection Level (kV)	3.6
standard	IEC 60947-2		standard	IEC 61643-31

LQX4/2

















PV Combiner Box 4in 2out

DC 1000V



LQX-N4/2DC1000VQ



LQX-N4/2DC1000VB1



LQX-N4/2DC1000VL7

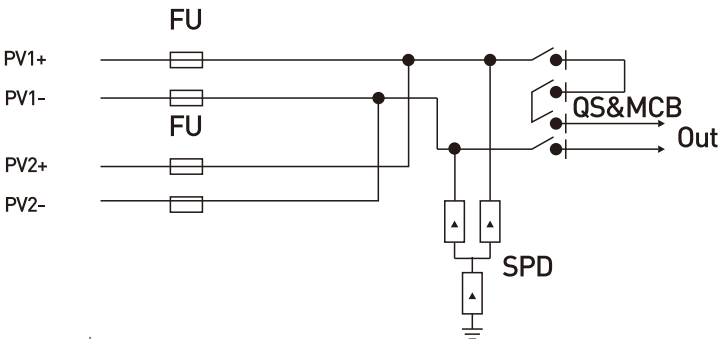
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

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

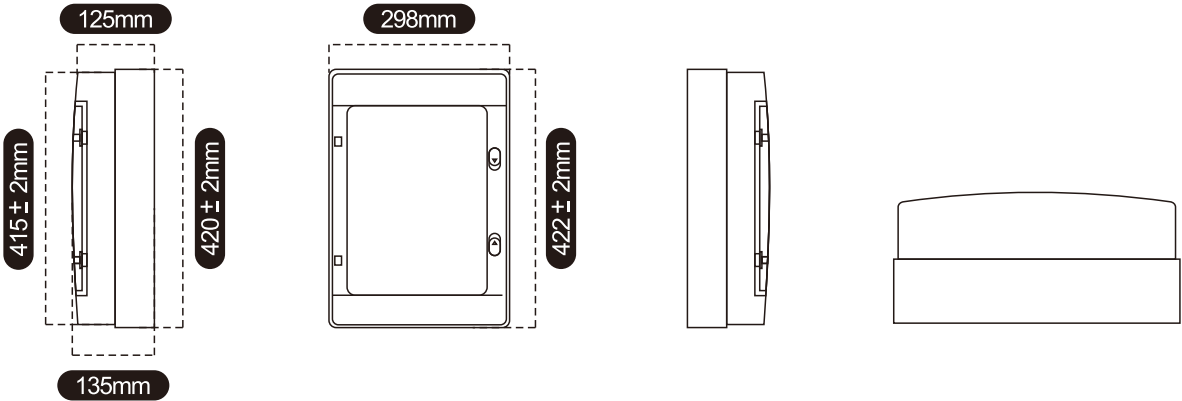
OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

*Includes 2 Lines Of This Type

Product Dimension Drawing (mm)



Technical data			
Model	LQX4/2DC1000VQ	DC1000VB1	DC1000VL7
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	32/40/50/63	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*135mm		

	QS Q	MCB B1/L7	SPD	FUSE
Ue (V)	DC1200	DC1000/1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1500	DC1000/1200	In (8/20)us (kA)	20
In (A)	32	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	IEC60269

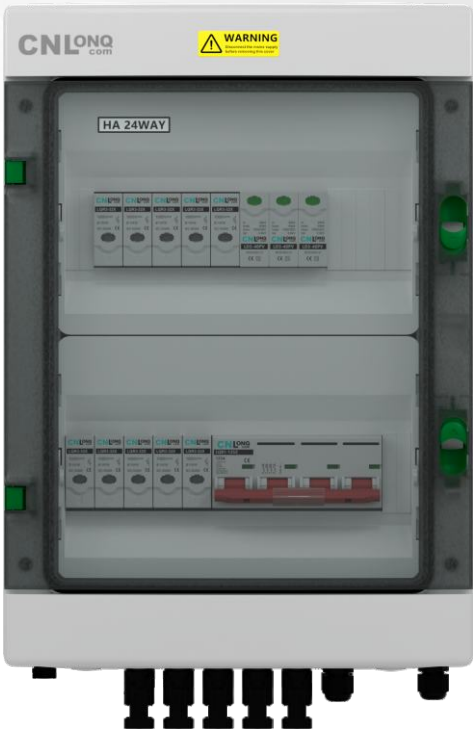
LQX5/1

CE ISO 9001 RoHS IEC IP65

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PV Combiner Box 5in 1out

DC 1000V



LQX5/1DC1000VB1



IP65 outdoor waterproof and sun resistant UV-resistant



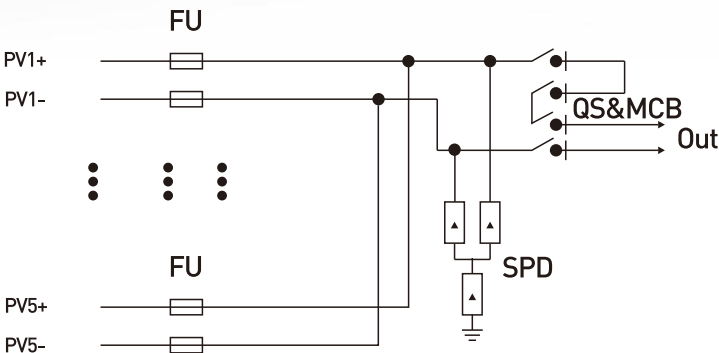
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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

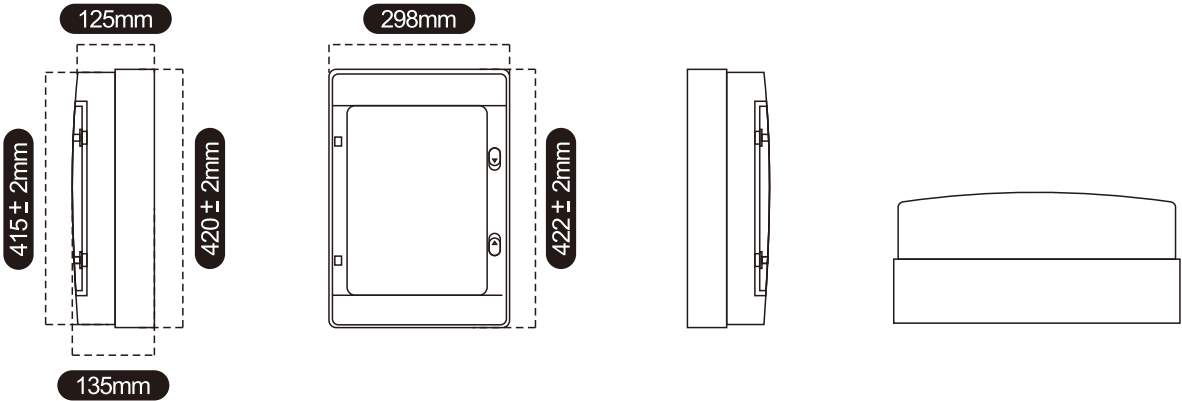


OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

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*135mm

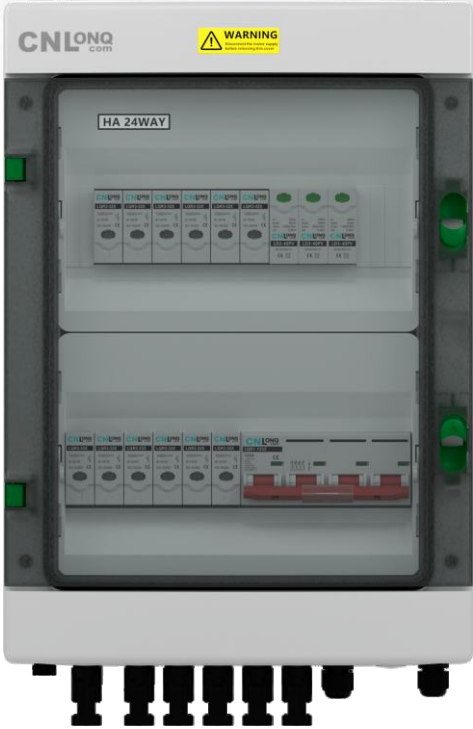
MCB	B1	L7	SPD		FUSE	
Rated Voltage Ue (V)	DC1000	DC1200	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	DC1200	In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Rated Current In(A)	32~125		Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38
Icu (kA)	6		Protection Level (kV)	3.6	Standard	IEC60269
standard	IEC 60947-2		standard	IEC 61643-31		

LQX6/1

CE ISO RoHS IEC IP65

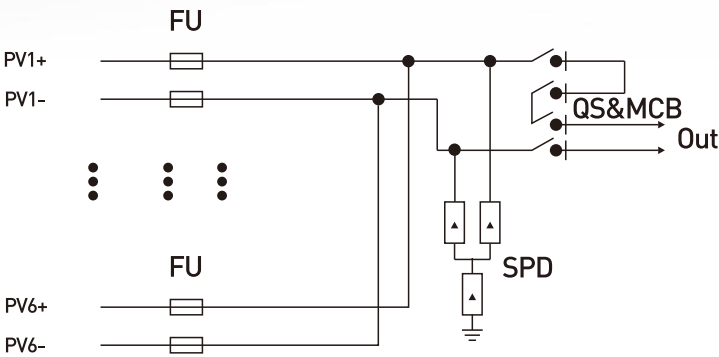
PV Combiner Box 6in 1out

DC 1000V



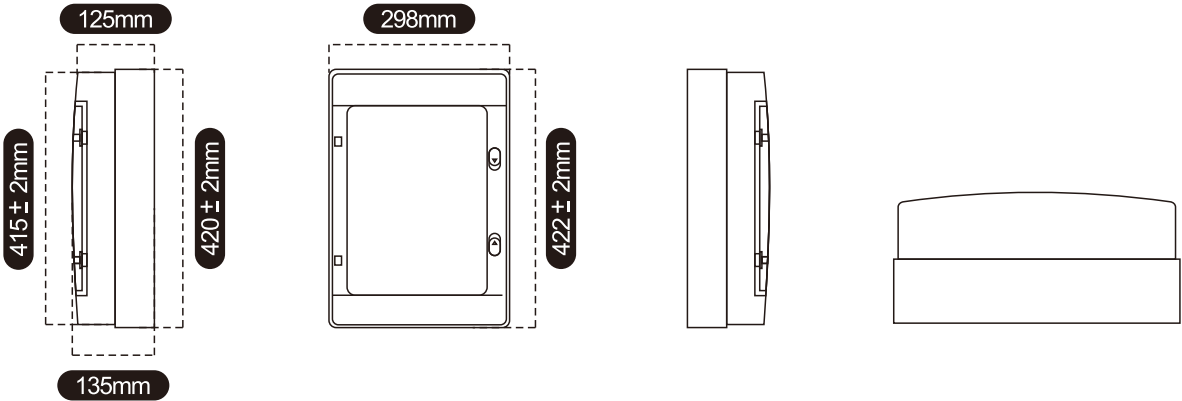
LQX6/1DC1000VB1

- 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

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*135mm

MCB	B1	L7	SPD		FUSE	
Rated Voltage Ue (V)	DC1000	DC1200	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	DC1200	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)	6		Protection Level (kV)	3.6	Standard	IEC60269
standard	IEC 60947-2		standard	IEC 61643-31		

LQX6/2

CE ISO 9001 RoHS IEC IP65

CN LONGQ.com

PV Combiner Box 6in 2out

DC 1000V



LQX6/2DC1000VB1



LQX6/2DC1000VL7



IP65 outdoor waterproof and sun resistant
UV-resistant



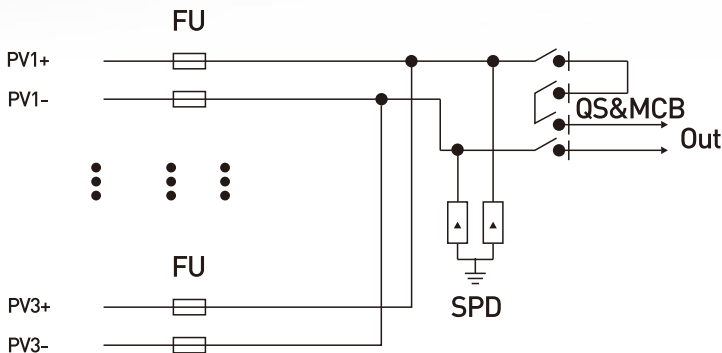
Short-circuit protection, overload protection, lightning protection, Isolation circuit



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



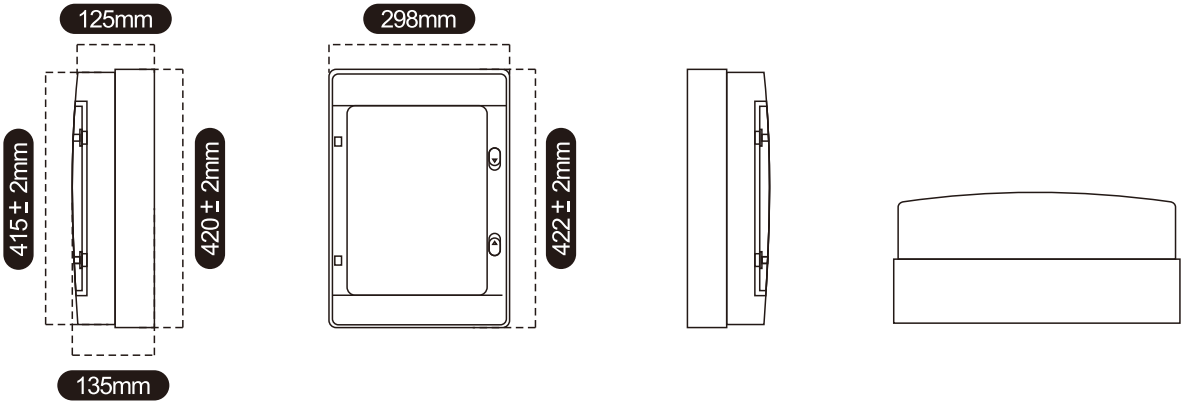
OEM/ODM Free Customization for PV Products



QS: Switch-Disconnect Isolator
MCB: Miniature Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device

*Includes 2 Lines Of This Type

Product Dimension Drawing (mm)



Technical data		
Model	LQX6/2DC1000VB1	LQX6/2DC1000VL7
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	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	B1	L7	SPD	FUSE
Rated Voltage Ue (V)	DC1000	DC1200	Rated Voltage Ue (V)	DC1000
Ui (V)	DC1000	DC1200	In (8/20)us (kA)	20
Rated Current In(A)	32~125		Imax (8/20)us (kA)	40
Icu (kA)	6		Protection Level (kV)	3.6
standard	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	IEC60269