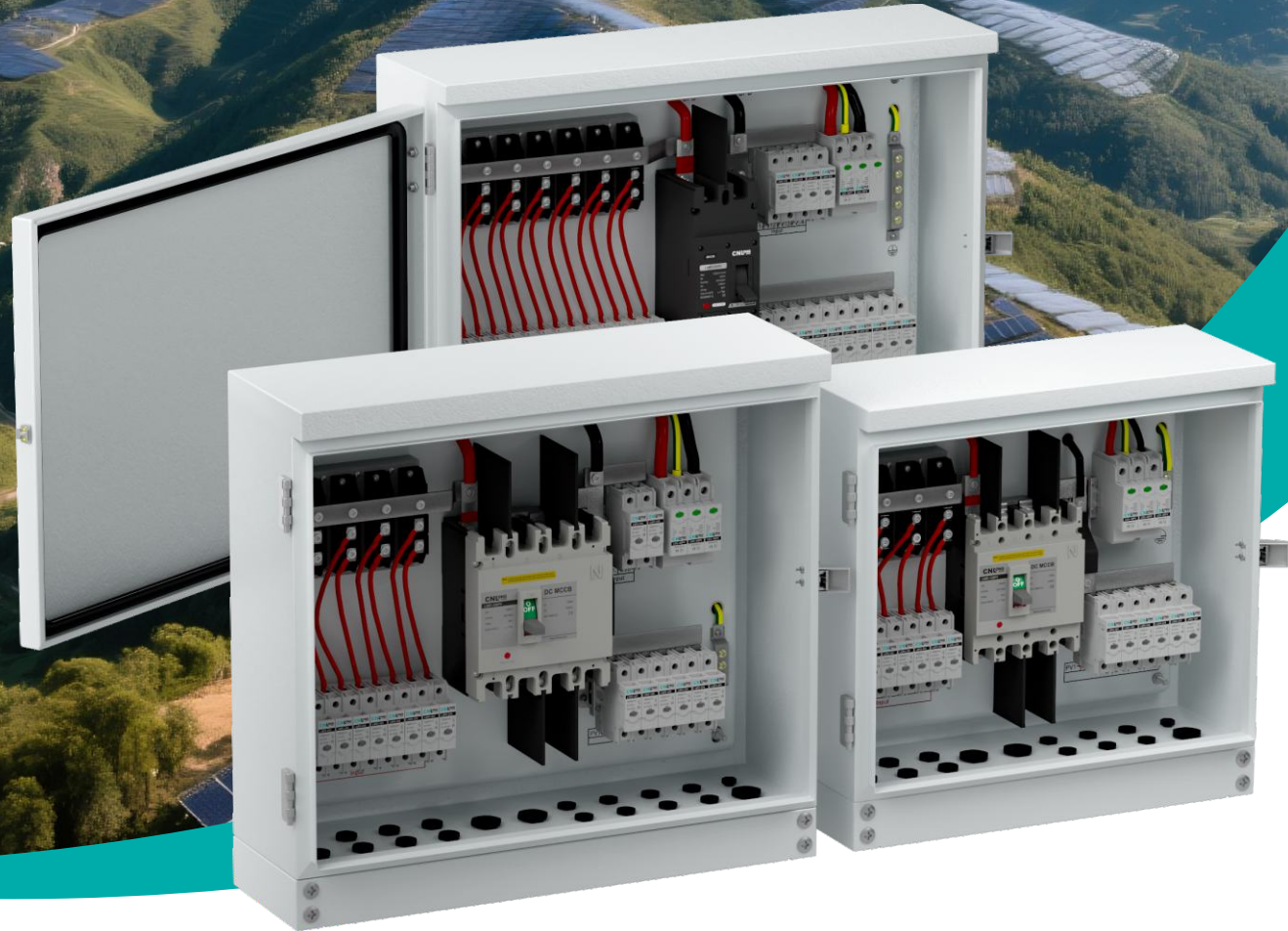


PV Combiner Box LQT Series



DC500V~1500V 16~800A input1~32 output1~32

CNLONGQ 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
- 

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

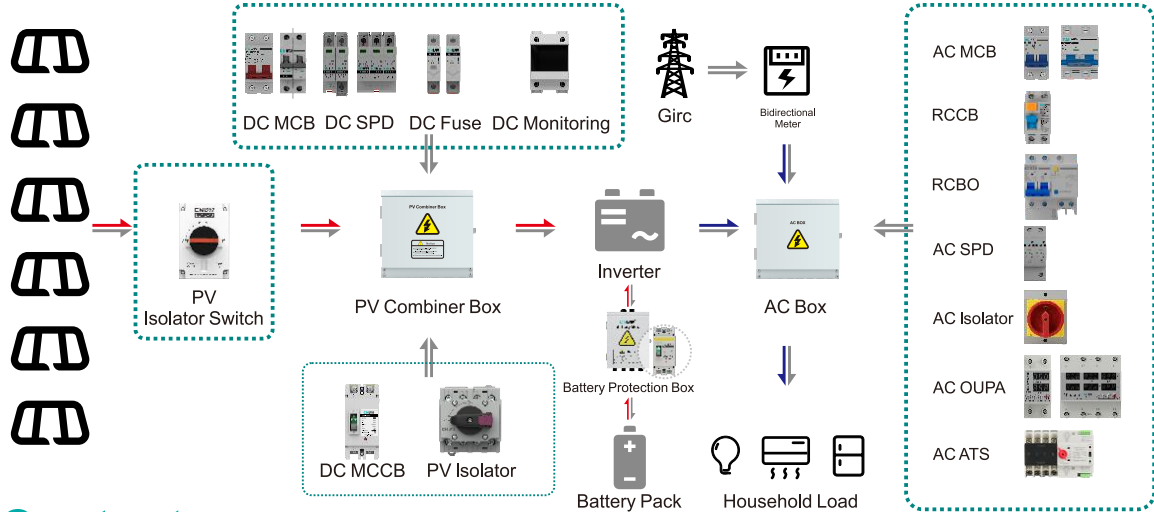
OEM/ODM Free Customization for PV Products

Company Profile

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

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

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



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Tips: Metal PV combiner boxes are available in any custom size; this catalog lists only the most common models. Please contact us for additional specifications and custom orders.

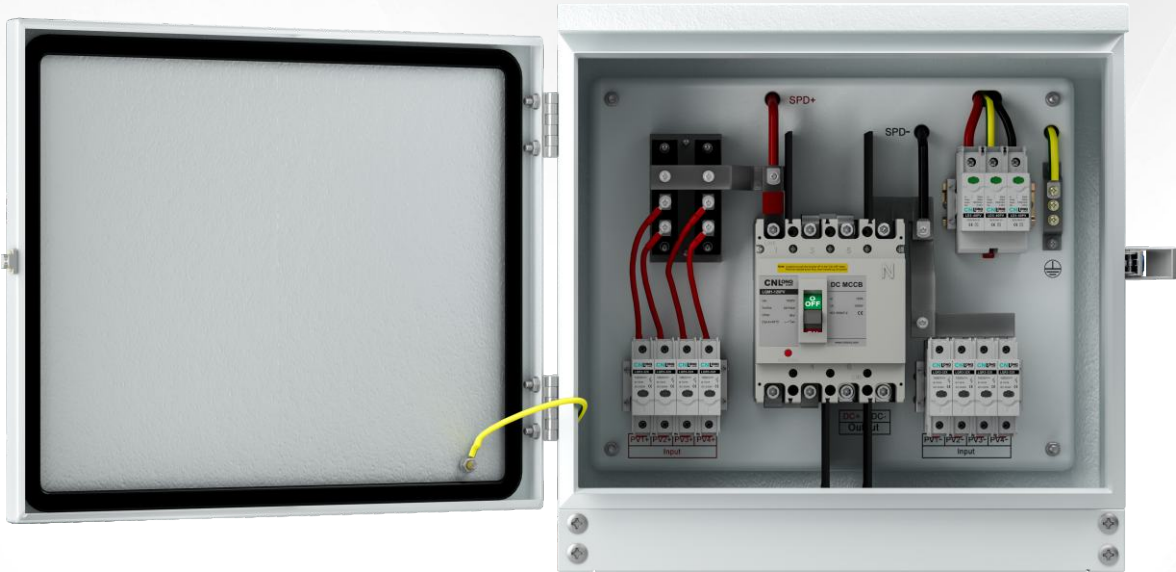
LQT4/1

CE ISO 9001 R&HS IEC IP65

CNLong.com

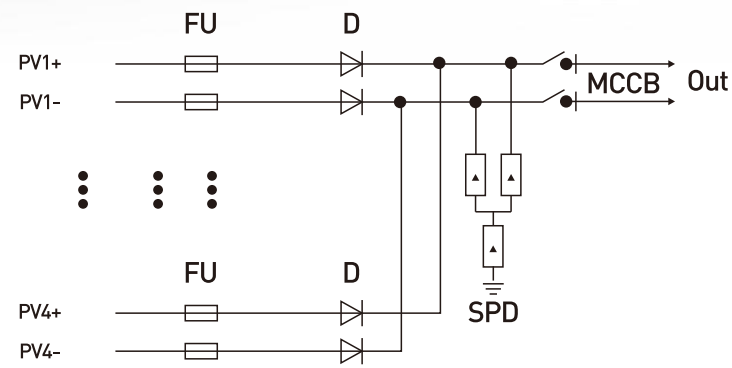
PV Combiner Box 4in 1out

DC 1000V



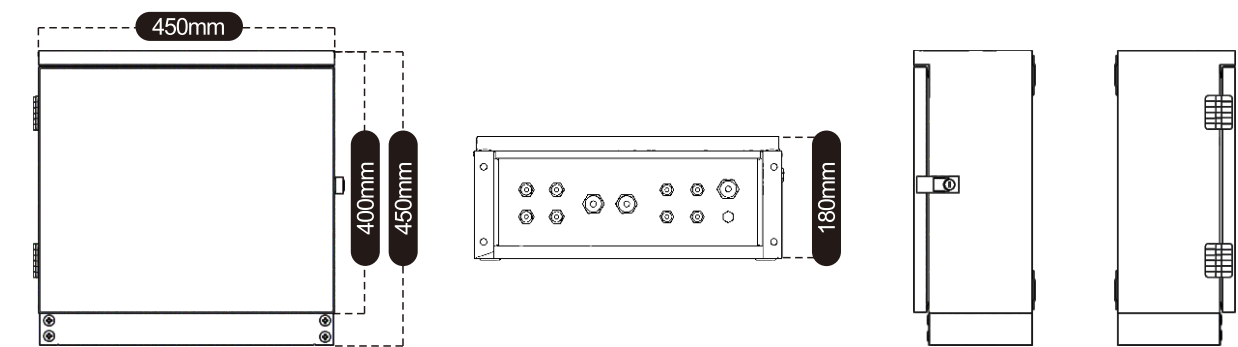
LQT4/1DC1000VM1-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data								
Model		LQT4/1DC1000VM1-XF		DC1000VM3-XF	DC1500VM3-XF			
String		4 in 1 out						
Rated Voltage Ue (V)		DC 1000		DC1000	DC1500			
Maximum input current per string (A)		15/20/25/30		15/20/25/30	15~50			
Maximum output current per string (A)		63/80/100/125		63~320	63~320			
Quality Certificate		CE,ISO9001,RoHS,IP65						
Protection Level		IP65						
Impact Level		IK10						
Box Material		Cold-rolled steel						
Operating Temperature		-25°C ~ +60°C						
Humidity		≤95%						
Connector		MC4 or PG						
Installation		Wall Mounting						
Altitude		2000m						
Dimension		450*450*180mm						
MCCB(M1)		or	MCCB(M3 DC1000V)		or	MCCB(M3 1500V)		
Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1500	
Ui (V)	DC1600		Ui (V)	DC1250		Ui (V)	DC1500	
Rated Current In(A)	63~125		Rated Current In(A)	63~320		Rated Current In(A)	63~800	
Icu (kA)	20		Icu (kA)	20		Uimp (kV)	20	
standard	IEC 60947-2		standard	IEC 60947-2		standard	IEC 60947-2	
SPD		Fuse		LQR3-32	or	LQR6-35	or	LQR8-50
Rated Voltage Ue (V)	DC1000/1500		Rated Voltage Ue (V)	DC1000		DC1500		DC1500
In (8/20)us (kA)	20		Rated Current In(A)	1~30		1~35		1~50
Imax (8/20)us (kA)	40		Fuse Size (mm)	10*38		10*65		10*85/14*85
Protection Level (kV)	3.6		Standard	IEC60269		IEC60269		IEC60269
standard	IEC 61643-31							

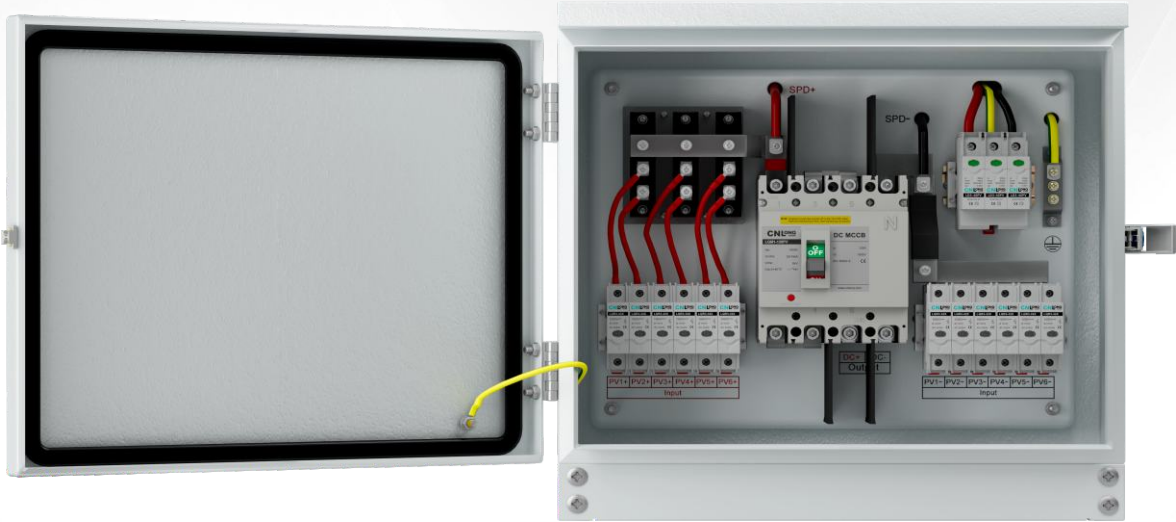
LQT6/1

CE ISO 9001 R&HS IEC IP65

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PV Combiner Box 6in 1out

DC 1000V



LQT6/1DC1000VM1-XF

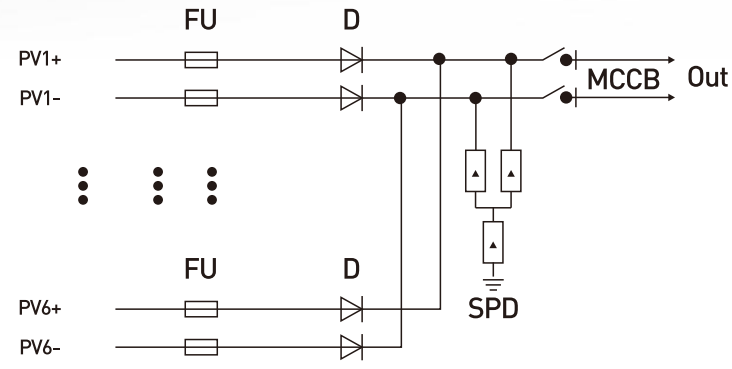
- 

IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

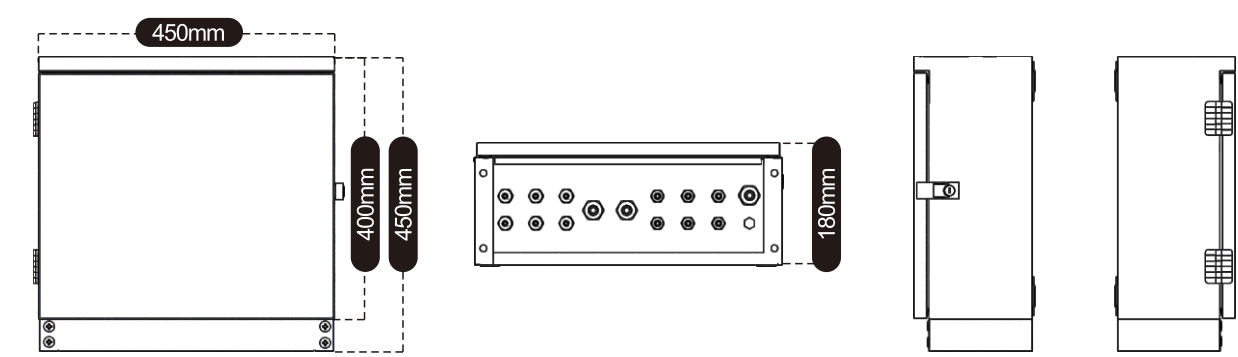
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



		Technical data						
Model		LQT6/1DC1000VM1-XF		DC1000VM3-XF	DC1500VM3-XF			
String		6 in 1 out						
Rated Voltage Ue (V)		DC 1000		DC1000	DC1500			
Maximum input current per string (A)		15/20/25/30		15/20/25/30	15~50			
Maximum output current per string (A)		63/80/100/125		63~320	63~320			
Quality Certificate		CE,ISO9001,RoHS,IP65						
Protection Level		IP65						
Impact Level		IK10						
Box Material		Cold-rolled steel						
Operating Temperature		-25°C ~ +60°C						
Humidity		≤95%						
Connector		MC4 or PG						
Installation		Wall Mounting						
Altitude		2000m						
Dimension		450*450*180mm						
MCCB(M1)		or	MCCB(M3 DC1000V)		or	MCCB(M3 1500V)		
Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1500	
Ui (V)	DC1600		Ui (V)	DC1250		Ui (V)	DC1500	
Rated Current In(A)	63~125		Rated Current In(A)	63~320		Rated Current In(A)	63~800	
Icu (kA)	20		Icu (kA)	20		Uimp (kV)	20	
standard	IEC 60947-2		standard	IEC 60947-2		standard	IEC 60947-2	
SPD			Fuse	LQR3-32	or	LQR6-35	or	LQR8-50
Rated Voltage Ue (V)	DC1000/1500		Rated Voltage Ue (V)	DC1000		DC1500		DC1500
In (8/20)us (kA)	20		Rated Current In(A)	1~30		1~35		1~50
Imax (8/20)us (kA)	40		Fuse Size (mm)	10*38		10*65		10*85/14*85
Protection Level (kV)	3.6		Standard	IEC60269		IEC60269		IEC60269
standard	IEC 61643-31							

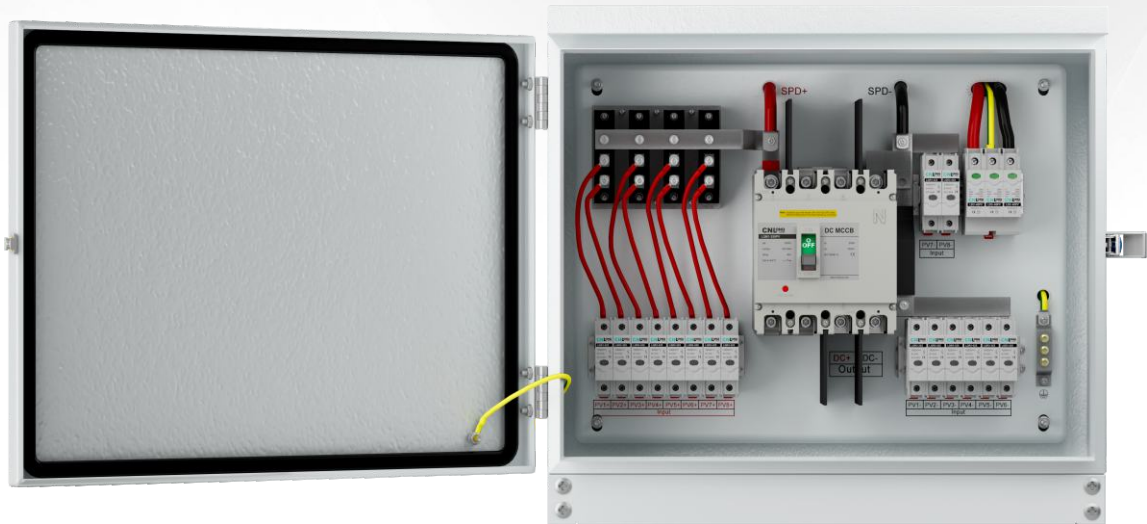
LQT8/1

CE ISO 9001 RoHS IEC IP65

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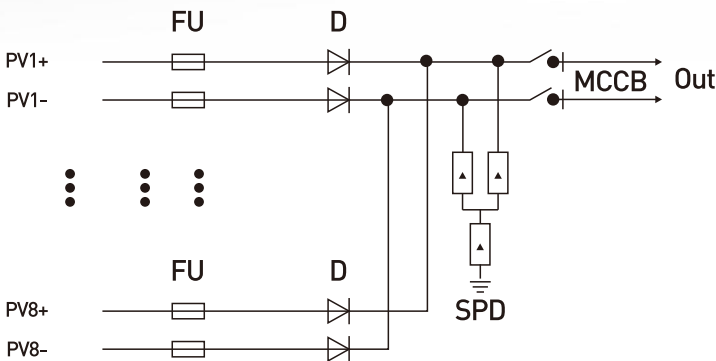
PV Combiner Box 8in 1out

DC 1000V



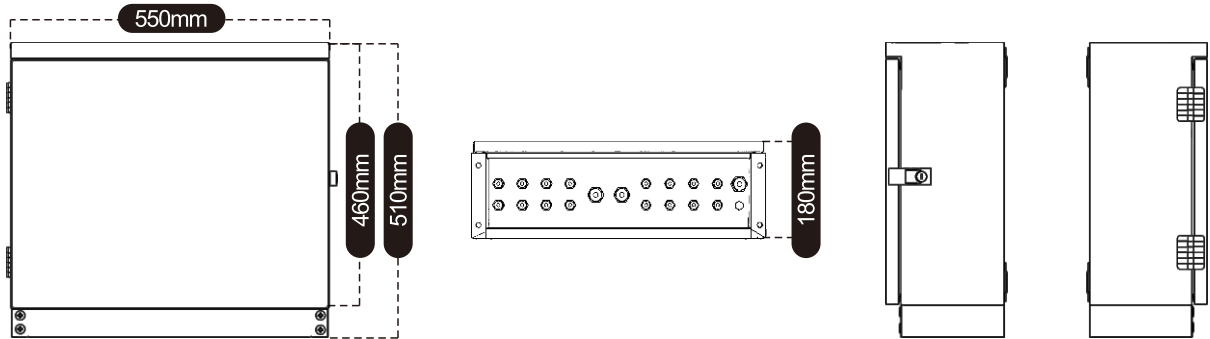
LQT8/1DC1000VM1-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



			Technical data					
Model			LQT8/1DC1000VM1-XF	DC1000VM3-XF	DC1500VM3-XF			
String			8 in 1 out					
Rated Voltage Ue (V)			DC 1000	DC1000	DC1500			
Maximum input current per string (A)			15/20/25/30	15/20/25/30	15~50			
Maximum output current per string (A)			160/180/200/225/250	63~320	63~320			
Quality Certificate			CE,ISO9001,RoHS,IP65					
Protection Level			IP65					
Impact Level			IK10					
Box Material			Cold-rolled steel					
Operating Temperature			-25°C ~ +60°C					
Humidity			≤95%					
Connector			MC4 or PG					
Installation			Wall Mounting					
Altitude			2000m					
Dimension			510*550*180mm					
MCCB(M1)		or	MCCB(M3 DC1000V)		or	MCCB(M3 1500V)		
Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1500	
Ui (V)	DC1600		Ui (V)	DC1250		Ui (V)	DC1500	
Rated Current In(A)	160~250		Rated Current In(A)	63~320		Rated Current In(A)	63~800	
Icu (kA)	20		Icu (kA)	20		Uimp (kV)	20	
standard	IEC 60947-2		standard	IEC 60947-2		standard	IEC 60947-2	
SPD			Fuse	LQR3-32	or	LQR6-35	or	LQR8-50
Rated Voltage Ue (V)	DC1000/1500		Rated Voltage Ue (V)	DC1000		DC1500		DC1500
In (8/20)us (kA)	20		Rated Current In(A)	1~30		1~35		1~50
Imax (8/20)us (kA)	40		Fuse Size (mm)	10*38		10*65		10*85/14*85
Protection Level (kV)	3.6		Standard	IEC60269		IEC60269		IEC60269
standard	IEC 61643-31							

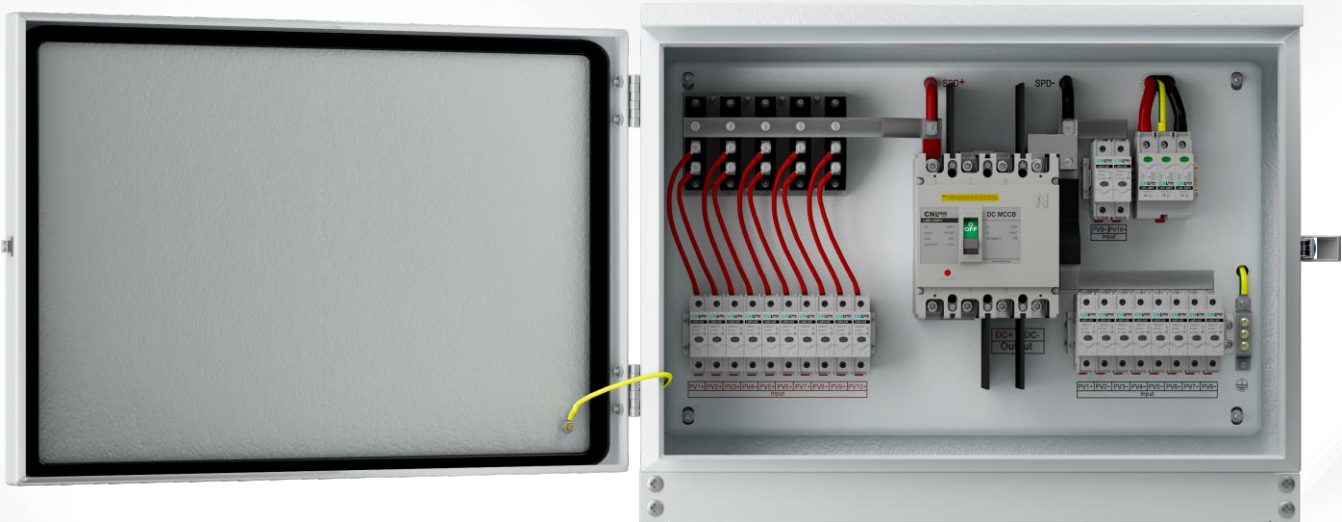
LQT10/1

CE ISO 9001 R&HS IEC IP65

CN LONGQ.com

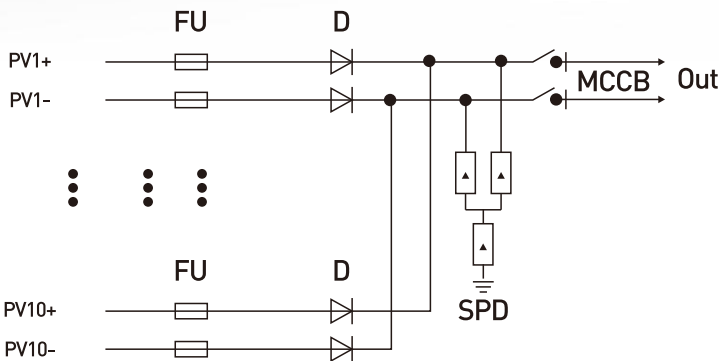
PV Combiner Box 10in 1out

DC 1000V



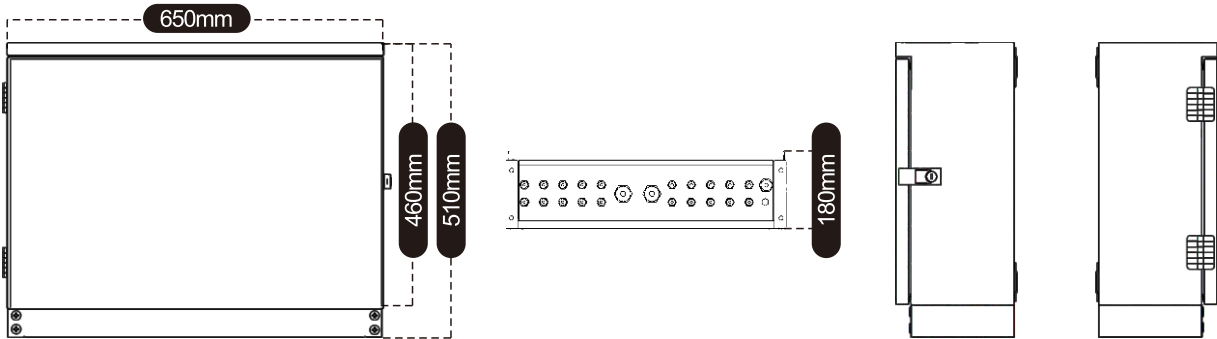
LQT10/1DC1000VM1-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data					
Model	LQT10/1DC1000VM1-XF DC1000VM3-XF DC1500VM3-XF				
String	10 in 1 out				
Rated Voltage Ue (V)	DC 1000 DC1000 DC1500				
Maximum input current per string (A)	15/20/25/30 15/20/25/30 15~50				
Maximum output current per string (A)	160/180/200/225/250 63~320 63~320				
Quality Certificate	CE,ISO9001,RoHS,IP65				
Protection Level	IP65				
Impact Level	IK10				
Box Material	Cold-rolled steel				
Operating Temperature	-25°C ~ +60°C				
Humidity	≤95%				
Connector	MC4 or PG				
Installation	Wall Mounting				
Altitude	2000m				
Dimension	510*650*180mm				
MCCB(M1)		or	MCCB(M3 DC1000V)		or MCCB(M3 1500V)
Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V) DC1500
Ui (V)	DC1600		Ui (V)	DC1250	Ui (V) DC1500
Rated Current In(A)	160~250		Rated Current In(A)	63~320	Rated Current In(A) 63~800
Icu (kA)	20		Icu (kA)	20	Uimp (kV) 20
standard	IEC 60947-2		standard	IEC 60947-2	standard IEC 60947-2
SPD		Fuse	LQR3-32	or LQR6-35	or LQR8-50
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000	DC1500	DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30	1~35	1~50
I _{max} (8/20)us (kA)	40	Fuse Size (mm)	10*38	10*65	10*85/14*85
Protection Level (kV)	3.6	Standard	IEC60269	IEC60269	IEC60269
standard	IEC 61643-31				

LQT12/1

CE

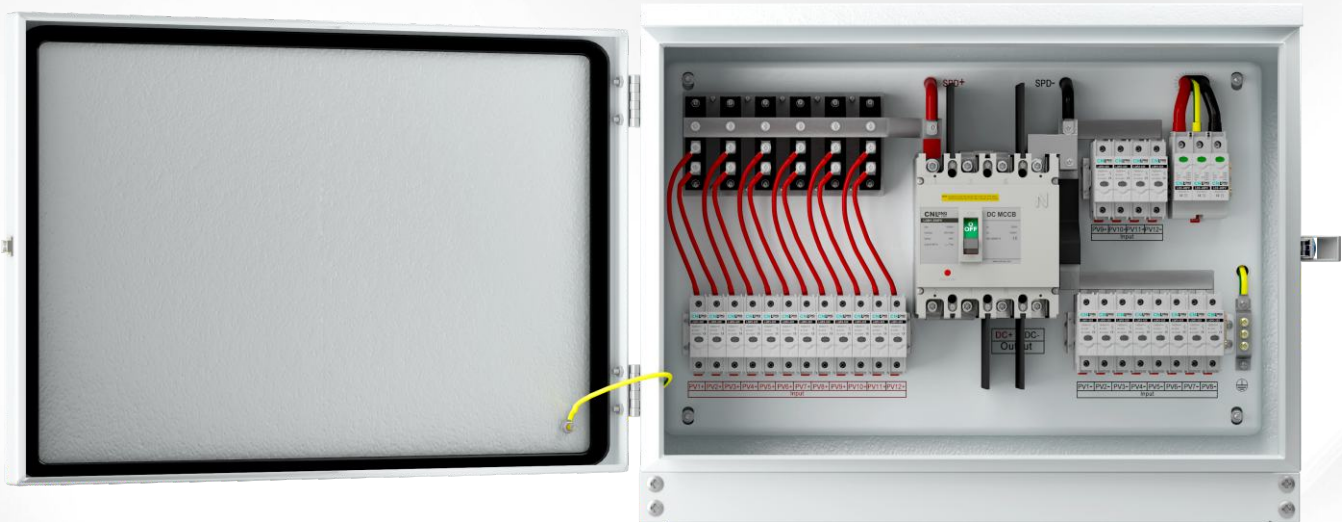
RoHS

IEC

IP65

PV Combiner Box 12in 1out

DC 1000V



LQT12/1DC1000VM1-XF

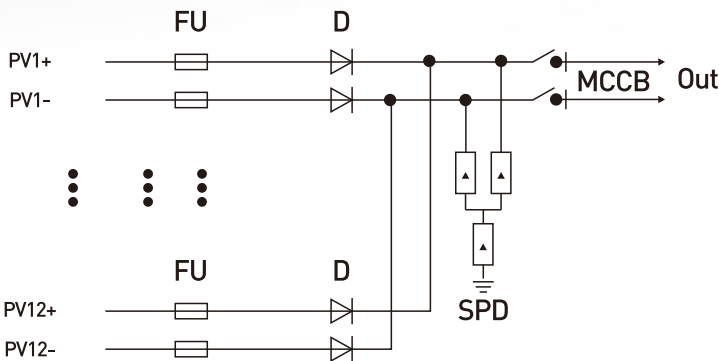
- 

IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

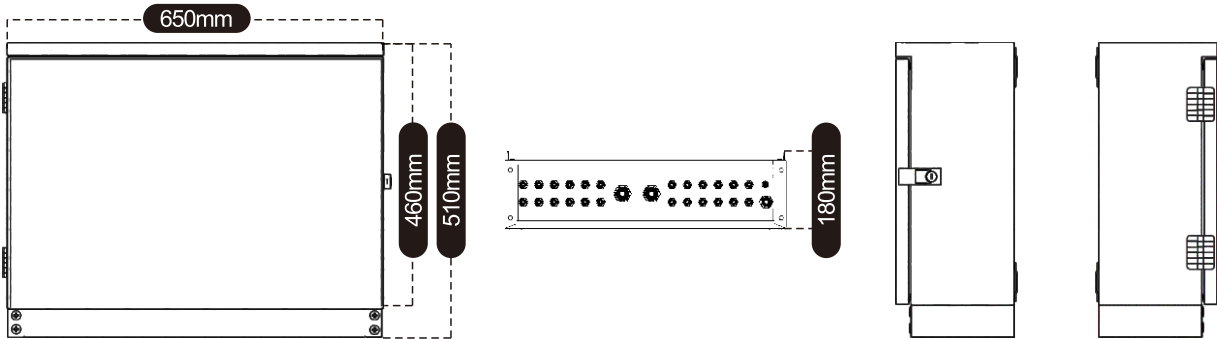
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data					
Model		LQT12/1DC1000VM1-XF		DC1000VM3-XF	DC1500VM3-XF
String		12 in 1 out			
Rated Voltage Ue (V)		DC 1000		DC1000	DC1500
Maximum input current per string (A)		15/20/25/30		15/20/25/30	15~50
Maximum output current per string (A)		160/180/200/225/250		63~320	63~320
Quality Certificate		CE,ISO9001,RoHS,IP65			
Protection Level		IP65			
Impact Level		IK10			
Box Material		Cold-rolled steel			
Operating Temperature		-25°C ~ +60°C			
Humidity		≤95%			
Connector		MC4 or PG			
Installation		Wall Mounting			
Altitude		2000m			
Dimension		510*650*180mm			
MCCB(M1)		or	MCCB(M3 DC1000V)		or MCCB(M3 1500V)
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1500
Ui (V)	DC1600	Ui (V)	DC1250	Ui (V)	DC1500
Rated Current In(A)	160~250	Rated Current In(A)	63~320	Rated Current In(A)	63~800
Icu (kA)	20	Icu (kA)	20	Uimp (kV)	20
standard	IEC 60947-2	standard	IEC 60947-2	standard	IEC 60947-2
SPD		Fuse	LQR3-32	or LQR6-35	or LQR8-50
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000	DC1500	DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30	1~35	1~50
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38	10*65	10*85/14*85
Protection Level (kV)	3.6	Standard	IEC60269	IEC60269	IEC60269
standard	IEC 61643-31				

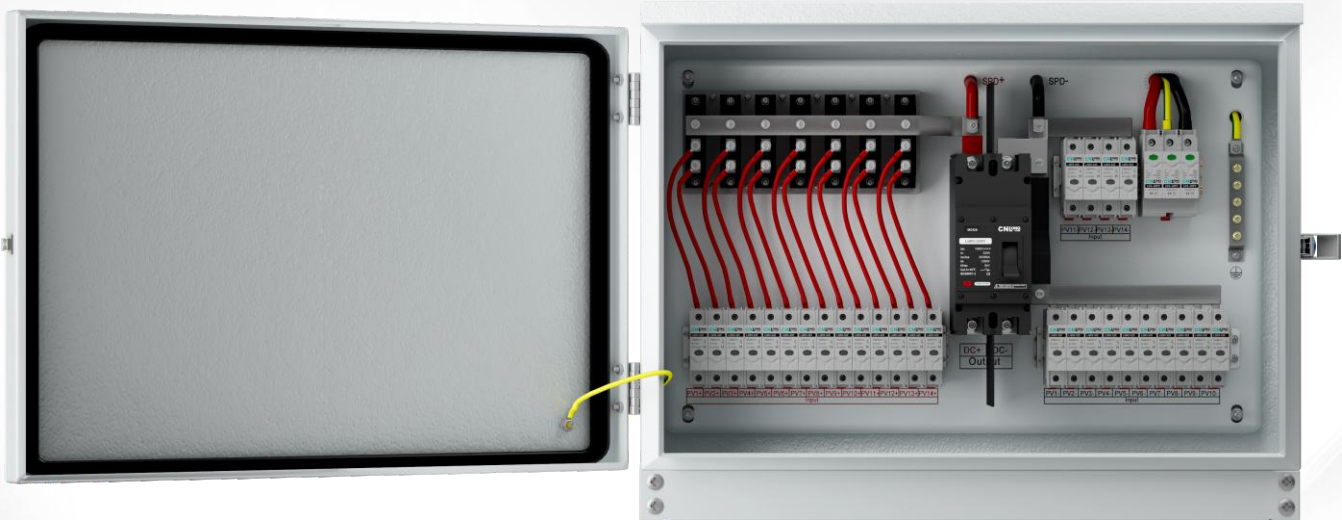
LQT14/1

CE ISO 9001 RoHS IEC IP65

CNLong.com

PV Combiner Box 14in 1out

DC 1000/1500V



LQT14/1DC1000VM3-XF



IP65 outdoor waterproof and sun resistant UV-resistant



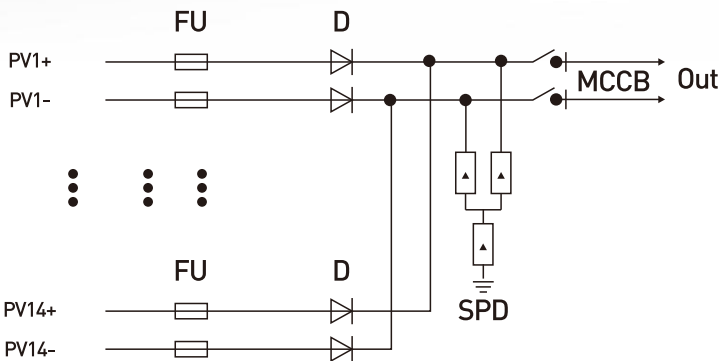
Short-circuit protection, overload protection, lightning protection, isolation circuit



Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant

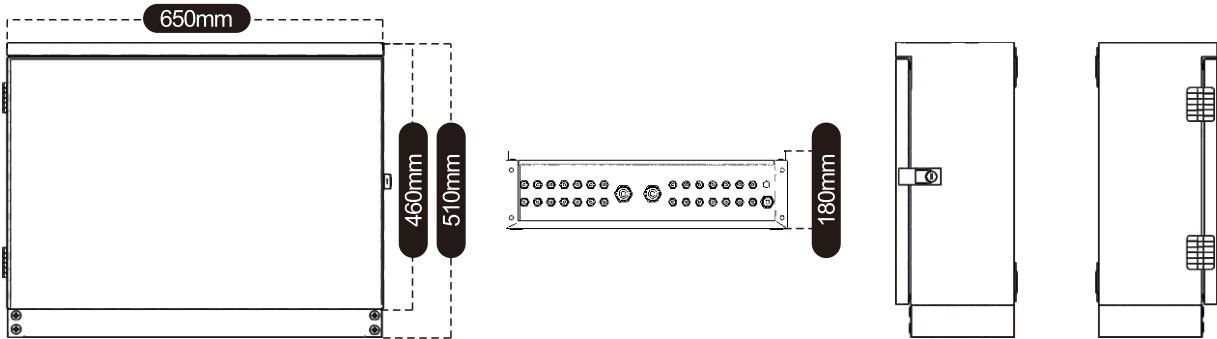


OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data			
Model	LQT14/1DC1000VM3-XF		LQT14/1DC1500VM3-XF
String	14 in 1 out		
Rated Voltage Ue (V)	DC 1000		DC1500
Maximum input current per string (A)	15/20/25/30		15~50
Maximum output current per string (A)	63~800		63~800
Quality Certificate	CE,ISO9001,RoHS,IP65		
Protection Level	IP65		
Impact Level	IK10		
Box Material	Cold-rolled steel		
Operating Temperature	-25°C ~ +60°C		
Humidity	≤95%		
Connector	MC4 or PG		
Installation	Wall Mounting		
Altitude	2000m		
Dimension	510*650*180mm		
MCCB(M3 DC1000V) or MCCB(M3 DC1500V)			
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1500
Ui (V)	DC1250	Ui (V)	DC1500
Rated Current In(A)	63~800	Rated Current In(A)	63~800
Icu (kA)	20	Uimp (kV)	20
standard	IEC 60947-2	standard	IEC 60947-2
SPD		Fuse	LQR3-32 or LQR6-35 or LQR8-50
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000 DC1500 DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30 1~35 1~50
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38 10*65 10*85/14*85
Protection Level (kV)	3.6	Standard	IEC60269 IEC60269 IEC60269
standard	IEC 61643-31		

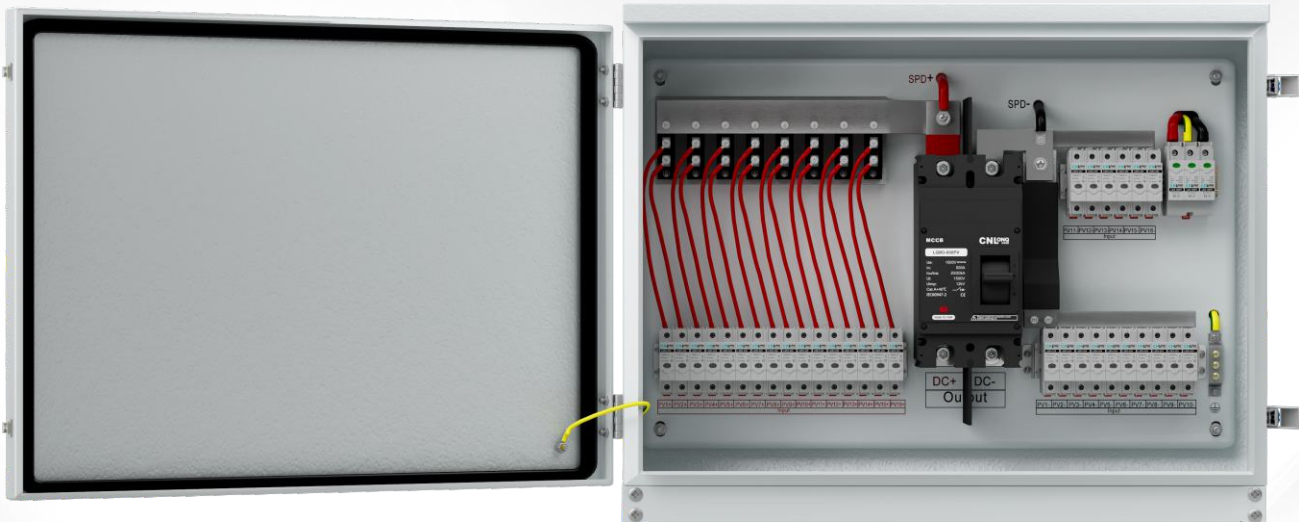
LQT16/1

CE ISO 9001 RoHS IEC IP65

CNLong.com

PV Combiner Box 16in 1out

DC 1000/1500V



LQT16/1DC1000VM3-XF

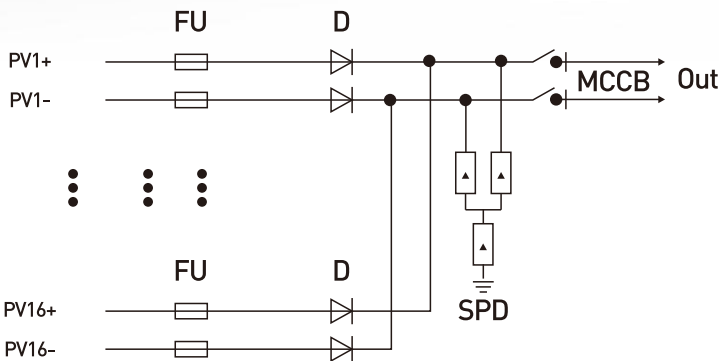
- 

IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

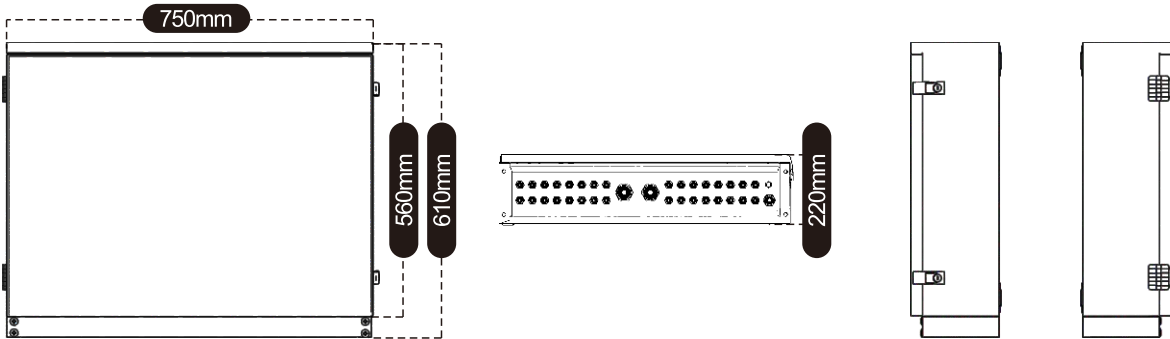
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- 

OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data				
Model	LQT16/1DC1000VM3-XF		LQT16/1DC1500VM3-XF	
String	16 in 1 out			
Rated Voltage Ue (V)	DC 1000		DC1500	
Maximum input current per string (A)	15/20/25/30		15~50	
Maximum output current per string (A)	63~800		63~800	
Quality Certificate	CE,ISO9001,RoHS,IP65			
Protection Level	IP65			
Impact Level	IK10			
Box Material	Cold-rolled steel			
Operating Temperature	-25°C ~ +60°C			
Humidity	≤95%			
Connector	MC4 or PG			
Installation	Wall Mounting			
Altitude	2000m			
Dimension	610*750*220mm			
MCCB(M3 DC1000V) or MCCB(M3 DC1500V)				
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1500	
Ui (V)	DC1250	Ui (V)	DC1500	
Rated Current In(A)	63~800	Rated Current In(A)	63~800	
Icu (kA)	20	Uimp (kV)	20	
standard	IEC 60947-2	standard	IEC 60947-2	
SPD		Fuse	LQR3-32 or LQR6-35 or LQR8-50	
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000	DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30	1~35
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38	10*65
Protection Level (kV)	3.6	Standard	IEC60269	IEC60269
standard	IEC 61643-31			

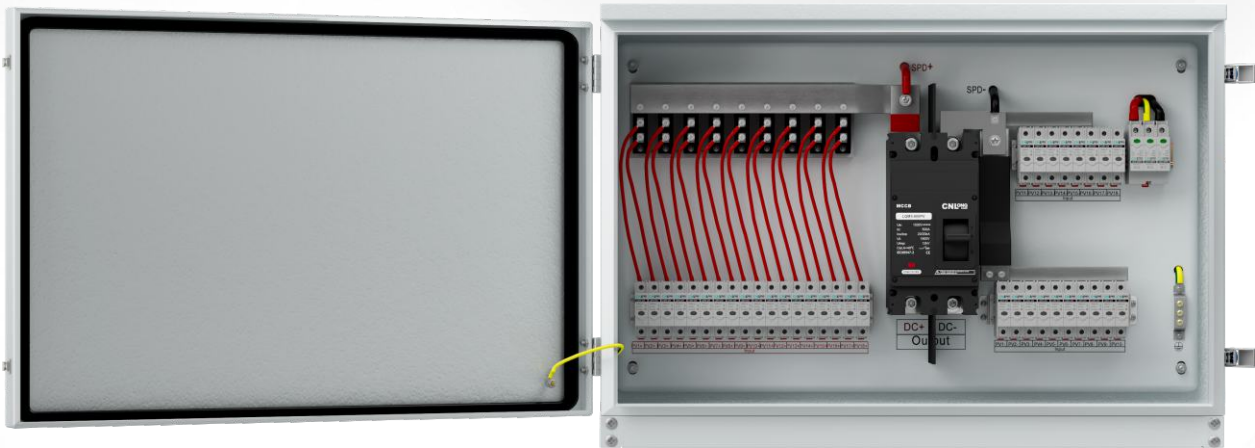
LQT18/1

CE ISO 9001 R&HS IEC IP65

CN LONG.com

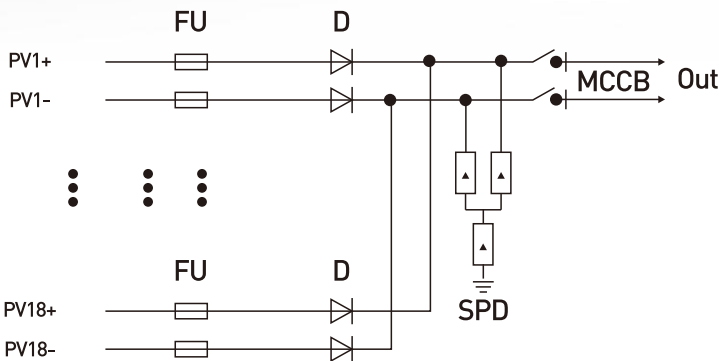
PV Combiner Box 18in 1out

DC 1000/1500V



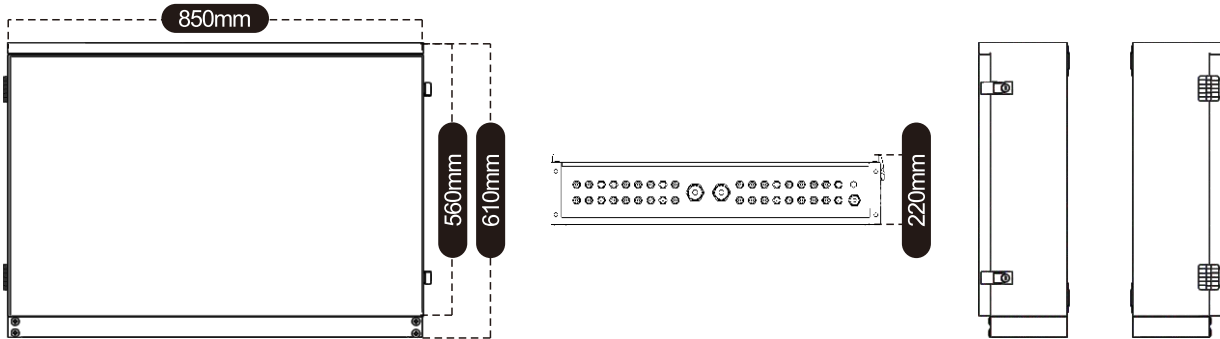
LQT18/1DC1000VM3-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data				
Model	LQT18/1DC1000VM3-XF		LQT18/1DC1500VM3-XF	
String	18 in 1 out			
Rated Voltage Ue (V)	DC 1000		DC1500	
Maximum input current per string (A)	15/20/25/30		15~50	
Maximum output current per string (A)	63~800		63~800	
Quality Certificate	CE,ISO9001,RoHS,IP65			
Protection Level	IP65			
Impact Level	IK10			
Box Material	Cold-rolled steel			
Operating Temperature	-25°C ~ +60°C			
Humidity	≤95%			
Connector	MC4 or PG			
Installation	Wall Mounting			
Altitude	2000m			
Dimension	610*850*220mm			
MCCB(M3 DC1000V) or MCCB(M3 DC1500V)				
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1500	
Ui (V)	DC1250	Ui (V)	DC1500	
Rated Current In(A)	63~800	Rated Current In(A)	63~800	
Icu (kA)	20	Uimp (kV)	20	
standard	IEC 60947-2	standard	IEC 60947-2	
SPD		Fuse	LQR3-32 or LQR6-35 or LQR8-50	
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000	DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30	1~35
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38	10*65
Protection Level (kV)	3.6	Standard	IEC60269	IEC60269
standard	IEC 61643-31			

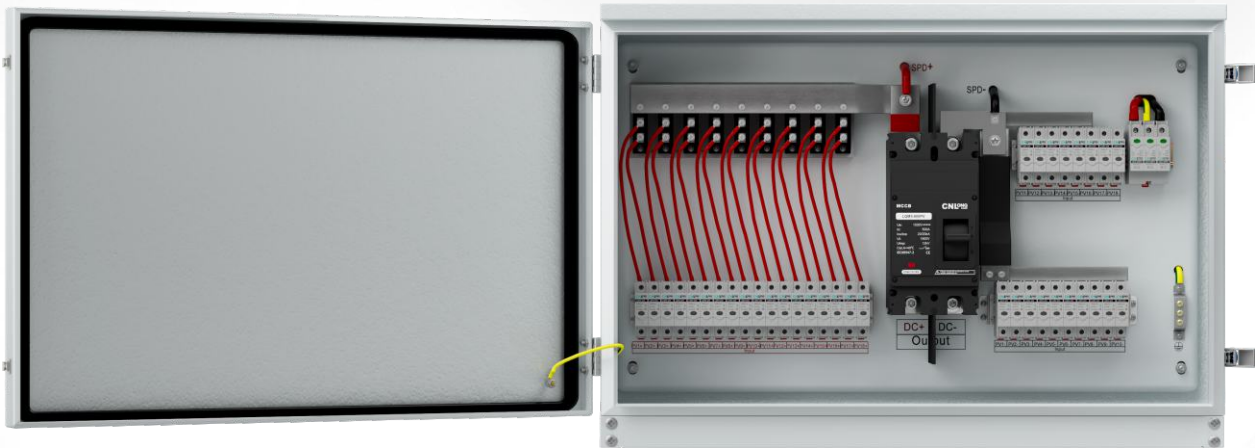
LQT20/1

CE ISO 9001 RoHS IEC IP65

CNLong.com

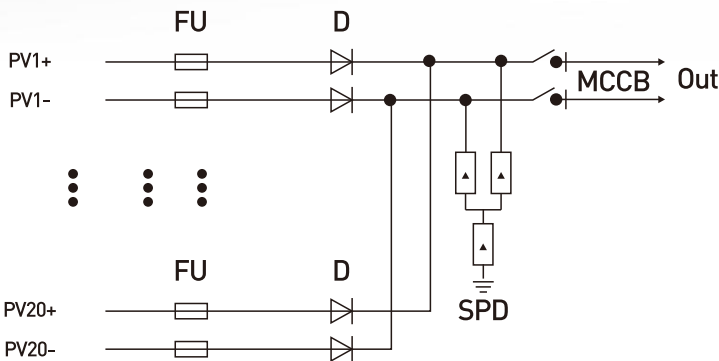
PV Combiner Box 20in 1out

DC 1000/1500V



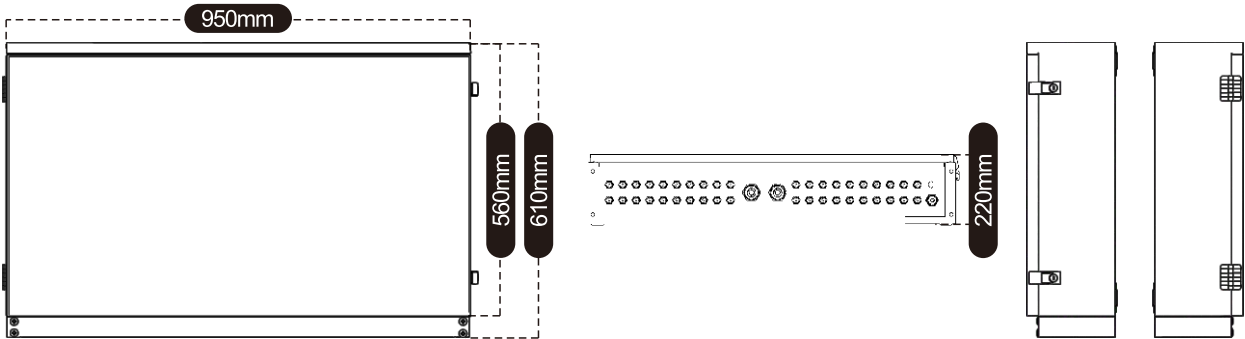
LQT20/1DC1000VM3-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data			
Model	LQT20/1DC1000VM3-XF		LQT20/1DC1500VM3-XF
String	20 in 1 out		
Rated Voltage Ue (V)	DC 1000		DC1500
Maximum input current per string (A)	15/20/25/30		15~50
Maximum output current per string (A)	63~800		63~800
Quality Certificate	CE,ISO9001,RoHS,IP65		
Protection Level	IP65		
Impact Level	IK10		
Box Material	Cold-rolled steel		
Operating Temperature	-25°C ~ +60°C		
Humidity	≤95%		
Connector	MC4 or PG		
Installation	Wall Mounting		
Altitude	2000m		
Dimension	610*950*220mm		
MCCB(M3 DC1000V) or MCCB(M3 DC1500V)			
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1500
Ui (V)	DC1250	Ui (V)	DC1500
Rated Current In(A)	63~800	Rated Current In(A)	63~800
Icu (kA)	20	Uimp (kV)	20
standard	IEC 60947-2	standard	IEC 60947-2
SPD		Fuse	LQR3-32 or LQR6-35 or LQR8-50
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000 DC1500 DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30 1~35 1~50
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38 10*65 10*85/14*85
Protection Level (kV)	3.6	Standard	IEC60269 IEC60269 IEC60269
standard	IEC 61643-31		

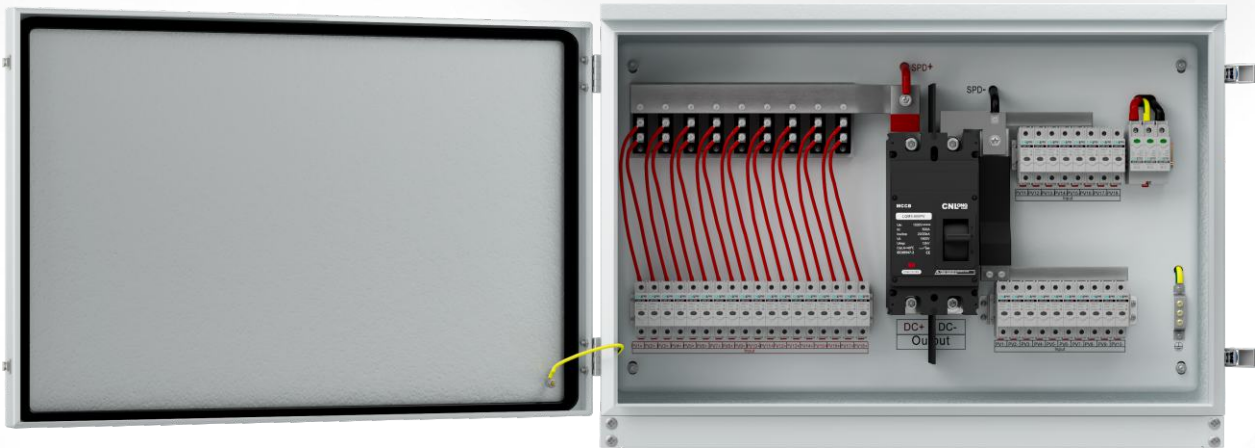
LQT24/1

CE ISO 9001 RoHS IEC IP65

CNLong.com

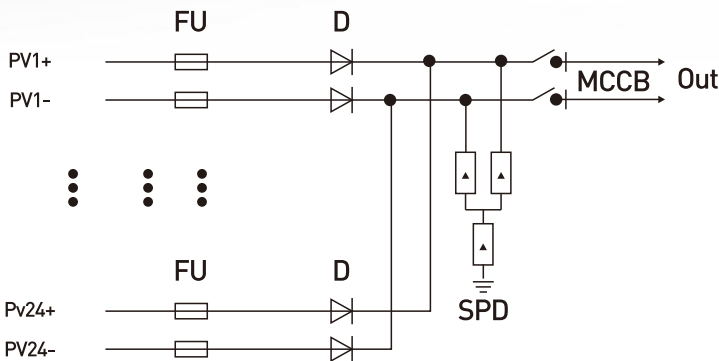
PV Combiner Box 24in 1out

DC 1000/1500V



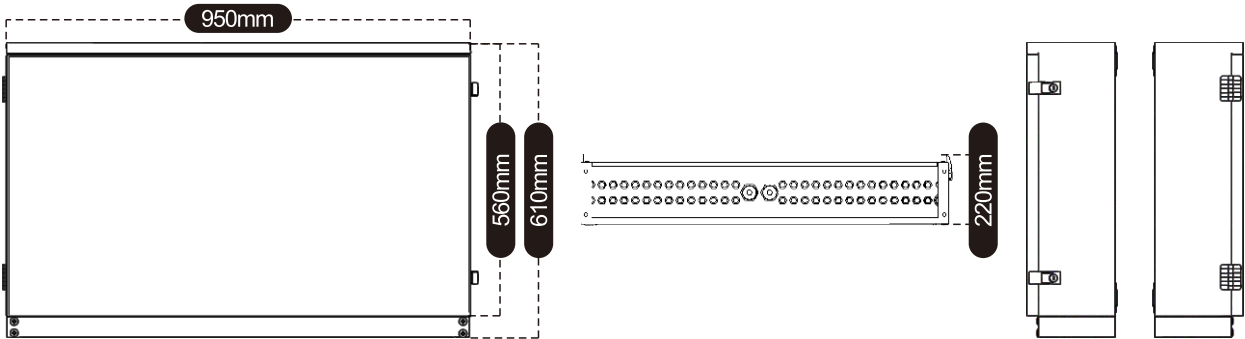
LQT24/1DC1000VM3-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



MCCB: Molded Case Circuit Breaker
FU: Fuse+Fuse holder
SPD: Surge Protection Device
D: Anti-reflection diode (optional)

Product Dimension Drawing (mm)



Technical data			
Model	LQT24/1DC1000VM3-XF		LQT24/1DC1500VM3-XF
String	24 in 1 out		
Rated Voltage Ue (V)	DC 1000		DC1500
Maximum input current per string (A)	15/20/25/30		15~50
Maximum output current per string (A)	63~800		63~800
Quality Certificate	CE,ISO9001,RoHS,IP65		
Protection Level	IP65		
Impact Level	IK10		
Box Material	Cold-rolled steel		
Operating Temperature	-25°C ~ +60°C		
Humidity	≤95%		
Connector	MC4 or PG		
Installation	Wall Mounting		
Altitude	2000m		
Dimension	610*950*220mm		
MCCB(M3 DC1000V) or MCCB(M3 DC1500V)			
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1500
Ui (V)	DC1250	Ui (V)	DC1500
Rated Current In(A)	63~800	Rated Current In(A)	63~800
Icu (kA)	20	Uimp (kV)	20
standard	IEC 60947-2	standard	IEC 60947-2
SPD		Fuse	LQR3-32 or LQR6-35 or LQR6-50
Rated Voltage Ue (V)	DC1000/1500	Rated Voltage Ue (V)	DC1000 DC1500 DC1500
In (8/20)us (kA)	20	Rated Current In(A)	1~30 1~35 1~50
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38 10*65 10*85/14*85
Protection Level (kV)	3.6	Standard	IEC60269 IEC60269 IEC60269
standard	IEC 61643-31		

LQT4/4

CE ISO 9001 RoHS IEC IP65

CNLong.com

PV Combiner Box 4in 4out

DC 500/600V



LQT4/4DC500VB1-XF



IP65 outdoor waterproof and sun resistant UV-resistant



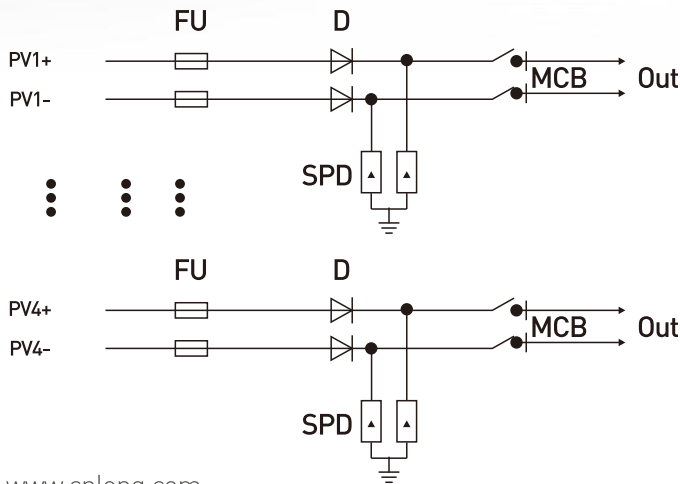
Short-circuit protection, overload protection, lightning protection, Isolation circuit



Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant

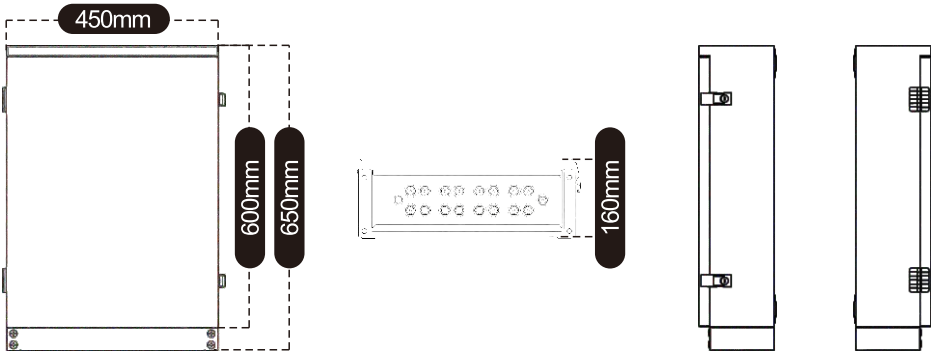


OEM/ODM Free Customization for PV Products



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

Product Dimension Drawing (mm)



Technical data		
Model	LQT4/4DC500VB1-XF	LQT4/4DC600VL7-XF
String	4 in 4 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	Cold-rolled steel	
Operating Temperature	-25°C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension	650*450*160mm	

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		

LQT4/4

CE ISO 9001 R6HS IEC IP65

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PV Combiner Box 4in 4out

DC 1000V



LQT4/4DC1000VB1-XF

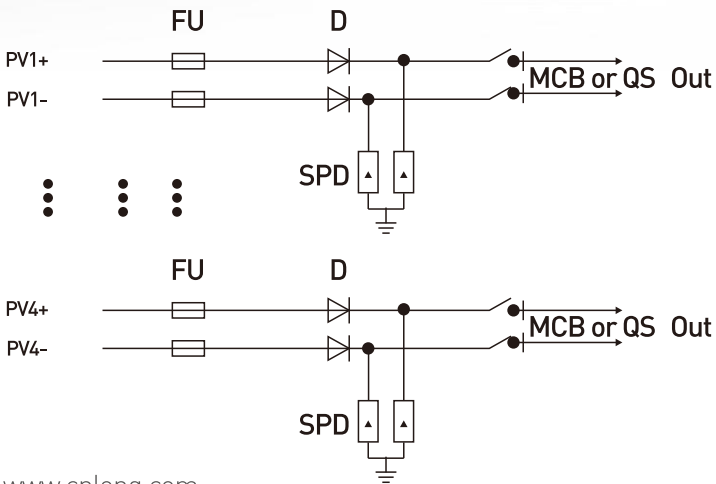
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

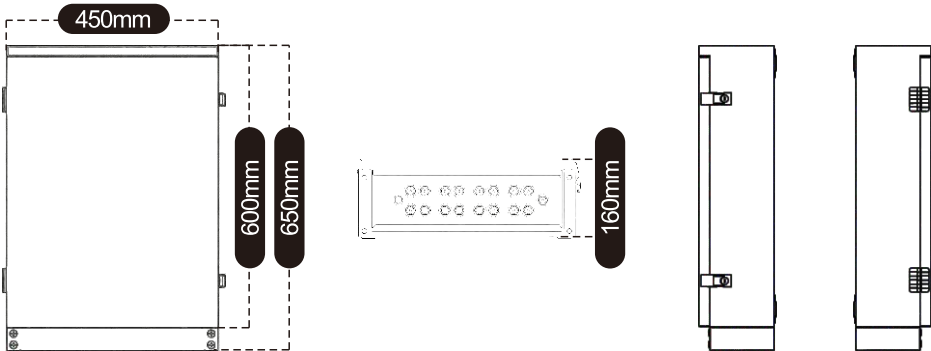
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- 

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	LQT4/4DC1000VB1-XF	1000VL7-XF	1000VQ-XF
String	4 in 4 out		
Rated Voltage Ue (V)	DC 1000	DC 1000	DC 1000
Maximum input current per string (A)	15/20/25/30		
Maximum output current per string (A)	32/40/50/63	32/40/50/63	32
Quality Certificate	CE,ISO9001,RoHS,IP65		
Protection Level	IP65		
Impact Level	IK10		
Box Material	Cold-rolled steel		
Operating Temperature	-25°C ~ +60°C		
Humidity	≤95%		
Connector	MC4 or PG		
Installation	Wall Mounting		
Altitude	2000m		
Dimension	650*450*160mm		

	QS Q	MCB B1/L7	SPD	FUSE
Ue (V)	DC1200	DC1000/1200	Rated Voltage Ue (V) DC1000	Rated Voltage Ue (V) DC1000
Ui (V)	DC1500	DC1000/1200	In (8/20)us (kA) 20	Rated Current In(A) 15/20/25/30
In (A)	32	32/40/50/63	Imax (8/20)us (kA) 40	Fuse Size (mm) 10*38
Icu (kA)	/	6	Protection Level (kV) 3.6	Standard IEC60269
standard	IEC 60947-3	IEC 60947-2	standard IEC 61643-31	

LQT5/5











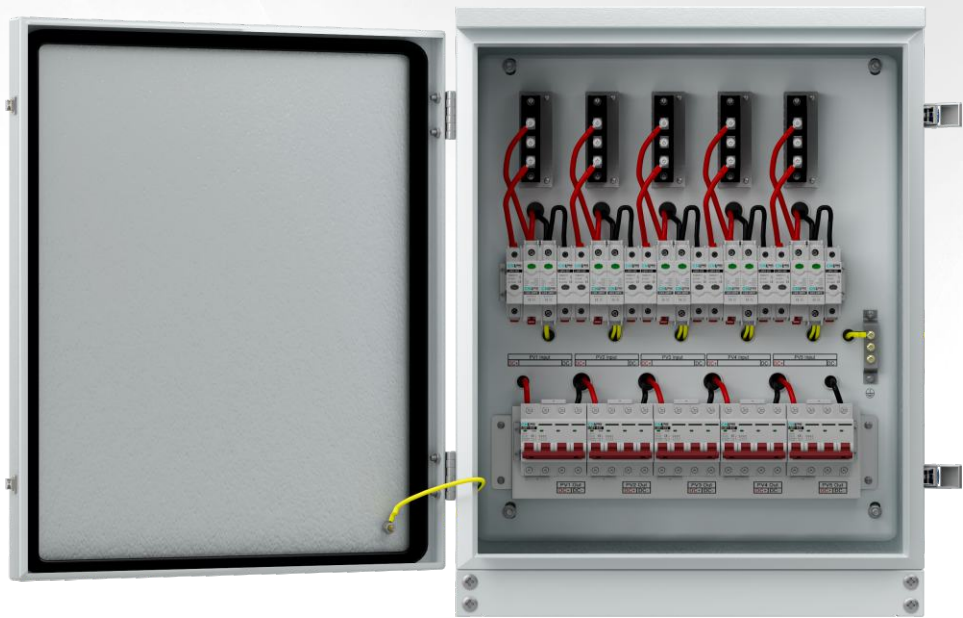




IP65

PV Combiner Box 5in 5out

DC 1000V



LQT5/5DC1000VB1-XF

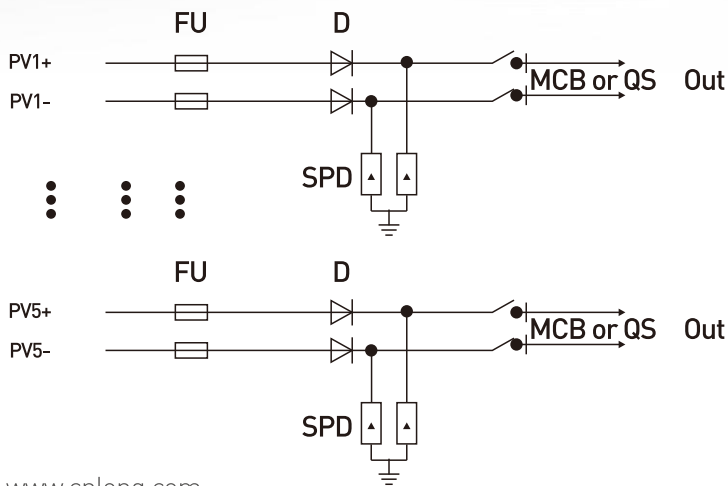
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

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

Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- 

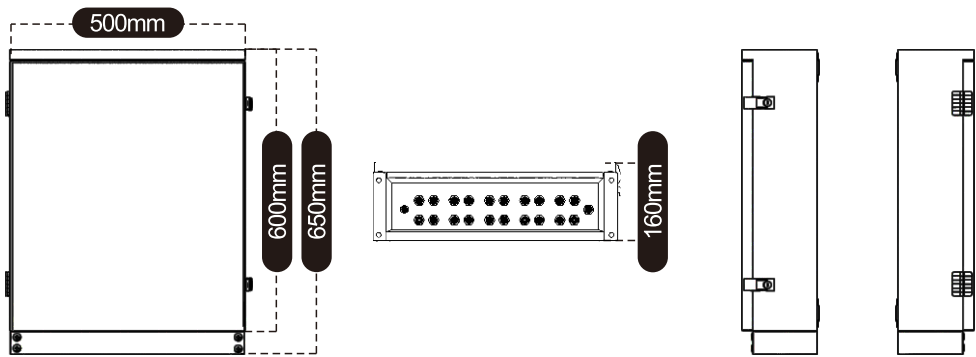
OEM/ODM Free Customization for PV Products



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

CN**LONG**Q.com

Product Dimension Drawing (mm)



Technical data					
Model	LQT5/5DC1000VB1-XF		LQT5/5DC1000VL7-XF	LQT5/5DC1000VQ-XF	
String	5 in 5 out				
Rated Voltage Ue (V)	DC 1000		DC 1000	DC 1000	
Maximum input current per string (A)	15/20/25/30				
Maximum output current per string (A)	32/40/50/63		32/40/50/63	32	
Quality Certificate	CE,TUV, UKCA, CB, ISO9001,RoHS,IP65				
Protection Level	IP65				
Impact Level	IK10				
Box Material	Cold-rolled steel				
Operating Temperature	-25°C ~ +60°C				
Humidity	≤95%				
Connector	MC4 or PG				
Installation	Wall Mounting				
Altitude	2000m				
Dimension	650*500*160mm				
MCB(B1)		or	MCB(L7)		or Isolator(QS)
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200	Rated Voltage Ue (V)	DC1200
Ui (V)	DC1000	Ui (V)	DC1200	Ui (V)	DC1500
Rated Current In(A)	32/40/50/63	Rated Current In(A)	32/40/50/63	Rated Current In(A)	32
Icu (kA)	6	Icu (kA)	6	Uimp (kV)	8
standard	IEC 60947-2	standard	IEC 60947-2	standard	IEC 60947-3
SPD			Fuse		
Rated Voltage Ue (V)		DC1000	Rated Voltage Ue (V)	DC1000	
In (8/20)us (kA)		20	Rated Current In(A)	15/20/25/30	
Imax (8/20)us (kA)		40	Fuse Size (mm)	10*38	
Protection Level (kV)		3.6	Standard	IEC60269	
standard		IEC 61643-31			

LQT6/6

CE

ISO

9001

RoHS

IEC

UK

CA

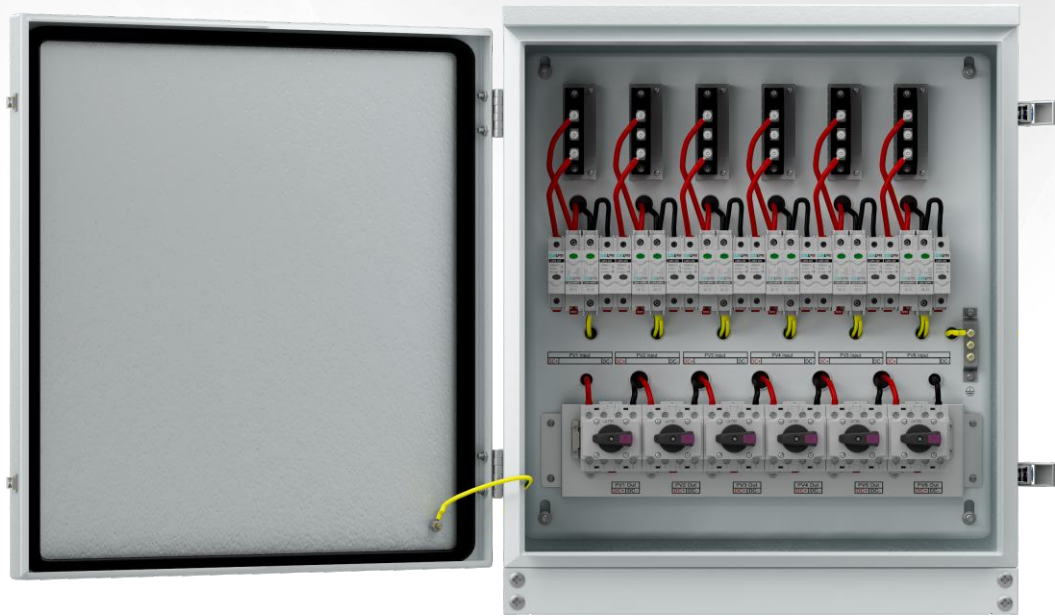
CB

IP65

27

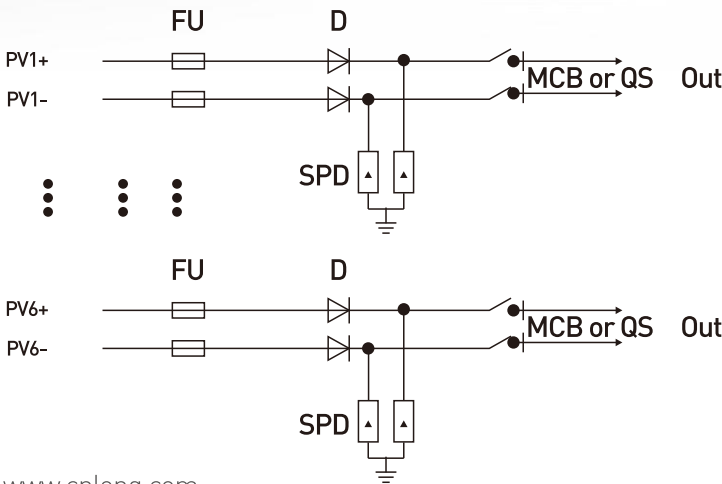
PV Combiner Box 6in 6out

DC 1000V



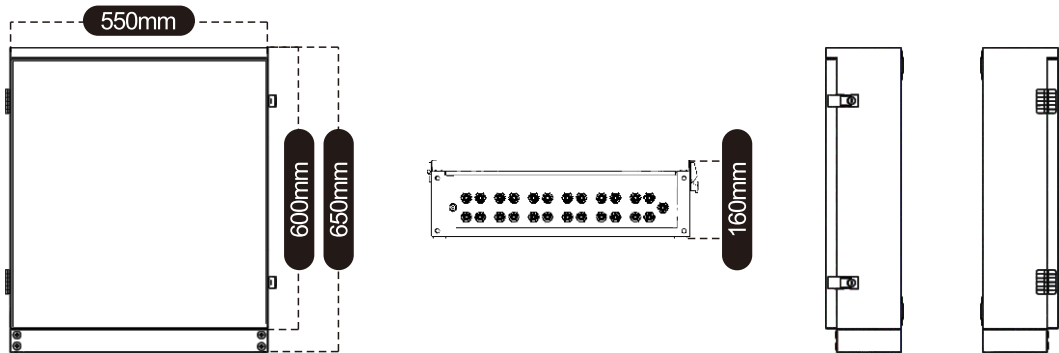
LQT6/6DC1000VQ-XF

- IP65 outdoor waterproof and sun resistant UV-resistant
- Short-circuit protection, overload protection, lightning protection, Isolation circuit
- Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant
- OEM/ODM Free Customization for PV Products



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

Product Dimension Drawing (mm)



Technical data							
Model	LQT6/6DC1000VB1-XF		LQT6/6DC1000VL7-XF	LQT6/6DC1000VQ-XF			
String	6 in 6 out						
Rated Voltage Ue (V)	DC 1000		DC 1000	DC 1000			
Maximum input current per string (A)	15/20/25/30						
Maximum output current per string (A)	32/40/50/63		32/40/50/63	32			
Quality Certificate	CE,TUV, UKCA, CB, ISO9001,RoHS,IP65						
Protection Level	IP65						
Impact Level	IK10						
Box Material	Cold-rolled steel						
Operating Temperature	-25°C ~ +60°C						
Humidity	≤95%						
Connector	MC4 or PG						
Installation	Wall Mounting						
Altitude	2000m						
Dimension	650*550*160mm						
MCB(B1)		or	MCB(L7)		or	Isolator(QS)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200	Rated Voltage Ue (V)	DC1200		
Ui (V)	DC1000	Ui (V)	DC1200	Ui (V)	DC1500		
Rated Current In(A)	32/40/50/63	Rated Current In(A)	32/40/50/63	Rated Current In(A)	32		
Icu (kA)	6	Icu (kA)	6	Uimp (kV)	8		
standard	IEC 60947-2	standard	IEC 60947-2	standard	IEC 60947-3		
SPD			Fuse				
Rated Voltage Ue (V)		DC1000	Rated Voltage Ue (V)	DC1000			
In (8/20)us (kA)		20	Rated Current In(A)	15/20/25/30			
Imax (8/20)us (kA)		40	Fuse Size (mm)	10*38			
Protection Level (kV)		3.6	Standard	IEC60269			
standard		IEC 61643-31					

LQT8/8















IP65

PV Combiner Box 8in 8out

DC 1000V



LQT8/8DC1000VQ-XF



IP65 outdoor waterproof and sun resistant
UV-resistant



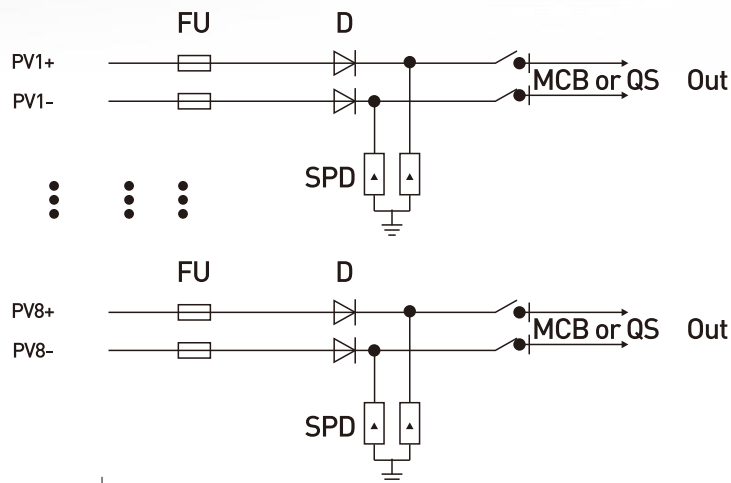
Short-circuit protection, overload protection, lightning protection, isolation circuit



Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



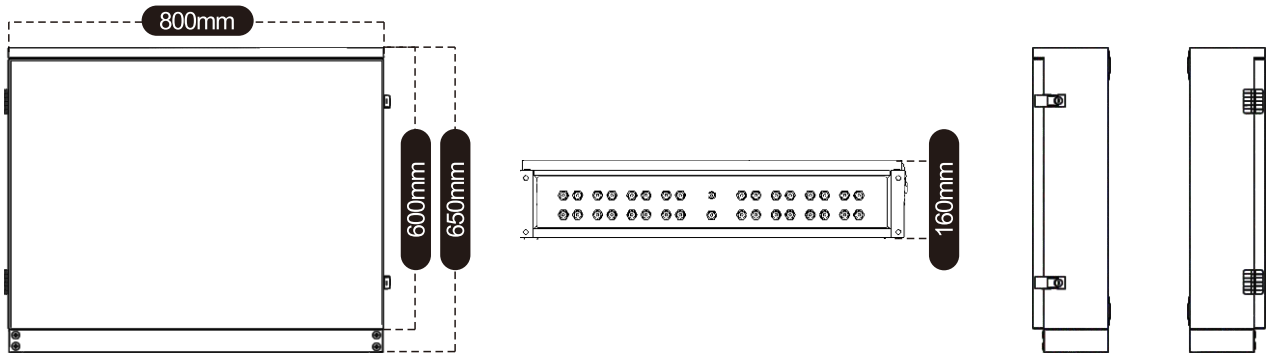
OEM/ODM Free Customization for PV Products



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

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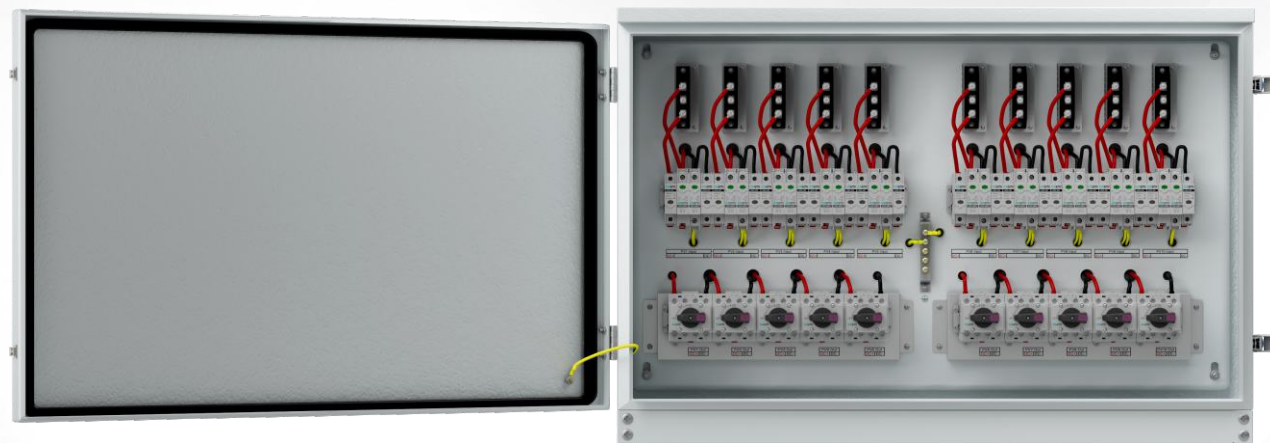
Product Dimension Drawing (mm)



Technical data							
Model	LQT8/8DC1000VB1-XF		LQT8/8DC1000VL7-XF	LQT8/8DC1000VQ-XF			
String	8 in 8 out						
Rated Voltage Ue (V)	DC 1000		DC 1000	DC 1000			
Maximum input current per string (A)	15/20/25/30						
Maximum output current per string (A)	32/40/50/63		32/40/50/63	32			
Quality Certificate	CE,TUV, UKCA, CB, ISO9001,RoHS,IP65						
Protection Level	IP65						
Impact Level	IK10						
Box Material	Cold-rolled steel						
Operating Temperature	-25°C ~ +60°C						
Humidity	≤95%						
Connector	MC4 or PG						
Installation	Wall Mounting						
Altitude	2000m						
Dimension	650*800*160mm						
MCB(B1)		or	MCB(L7)		or	Isolator(QS)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200	Rated Voltage Ue (V)	DC1200		
Ui (V)	DC1000	Ui (V)	DC1200	Ui (V)	DC1500		
Rated Current In(A)	32/40/50/63	Rated Current In(A)	32/40/50/63	Rated Current In(A)	32		
Icu (kA)	6	Icu (kA)	6	Uimp (kV)	8		
standard	IEC 60947-2	standard	IEC 60947-2	standard	IEC 60947-3		
SPD			Fuse				
Rated Voltage Ue (V)		DC1000	Rated Voltage Ue (V)	DC1000			
In (8/20)us (kA)		20	Rated Current In(A)	15/20/25/30			
Imax (8/20)us (kA)		40	Fuse Size (mm)	10*38			
Protection Level (kV)		3.6	Standard	IEC60269			
standard		IEC 61643-31					

PV Combiner Box 10in 10out

DC 1000V



LQT10/10DC1000VQ-XF



**IP65 outdoor
waterproof and
resistant
UV-resistant**



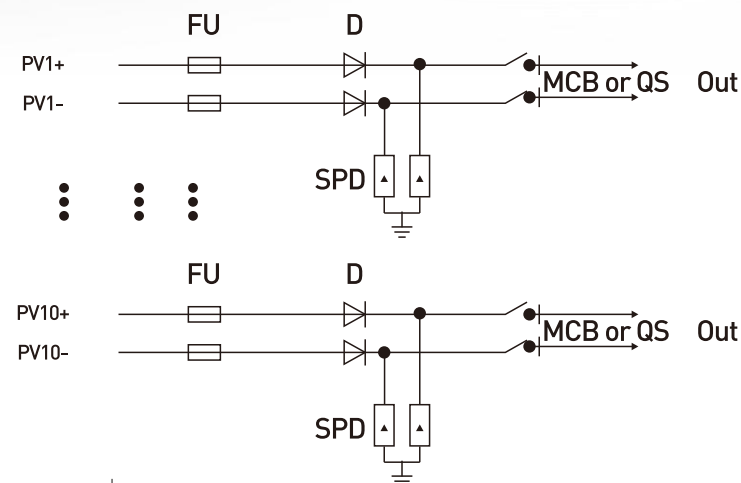
**Short-circuit protection,
overload protection,
lightning protection,
Isolation circuit**



**Cold-rolled steel housing,
IK10 impact resistance,
Acid and alkali resistant,
corrosion resistant**

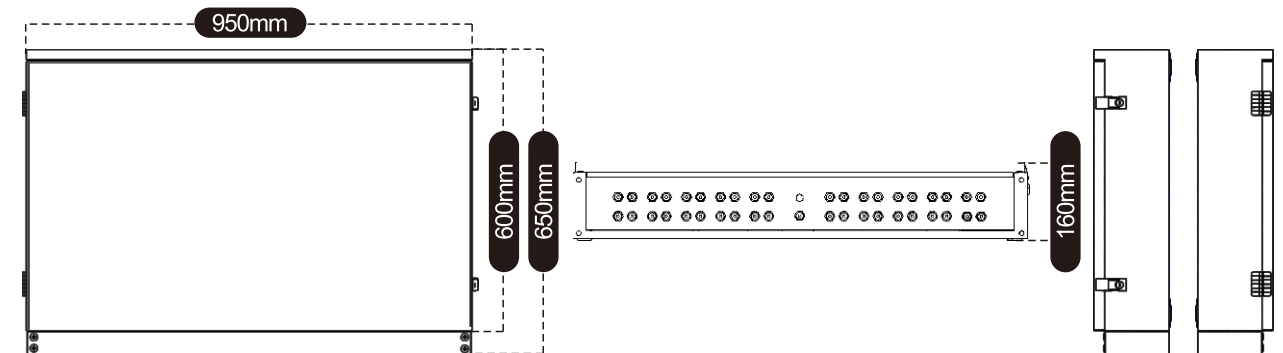


OEM/ODM Free Customization for PV Products



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

Product Dimension Drawing (mm)



Technical data

Model	LQT10/10DC1000VB1-XF			LQT10/10DC1000VL7-XF	LQT10/10DC1000VQ-XF
String	10 in 10 out				
Rated Voltage Ue (V)	DC 1000		DC 1000		DC 1000
Maximum input current per string (A)	15/20/25/30				
Maximum output current per string (A)	32/40/50/63		32/40/50/63		32
Quality Certificate	CE,TUV, UKCA, CB, ISO9001,RoHS,IP65				
Protection Level	IP65				
Impact Level	IK10				
Box Material	Cold-rolled steel				
Operating Temperature	-25°C ~ +60°C				
Humidity	≤95%				
Connector	MC4 or PG				
Installation	Wall Mounting				
Altitude	2000m				
Dimension	650*950*160mm				

MCB(B1)		or	MCB(L7)		or	Isolator(QS)	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1200	Rated Voltage Ue (V)	DC1200		
Ui (V)	DC1000	Ui (V)	DC1200	Ui (V)	DC1500		
Rated Current In(A)	32/40/50/63	Rated Current In(A)	32/40/50/63	Rated Current In(A)	32		
Icu (kA)	6	Icu (kA)	6	Uimp (kV)	8		
standard	IEC 60947-2	standard	IEC 60947-2	standard	IEC 60947-3		

SPD		Fuse	
Rated Voltage Ue (V)	DC1000	Rated Voltage Ue (V)	DC1000
In (8/20)us (kA)	20	Rated Current In(A)	15/20/25/30
Imax (8/20)us (kA)	40	Fuse Size (mm)	10*38
Protection Level (kV)	3.6	Standard	IEC60269
standard	IEC 61643-31		

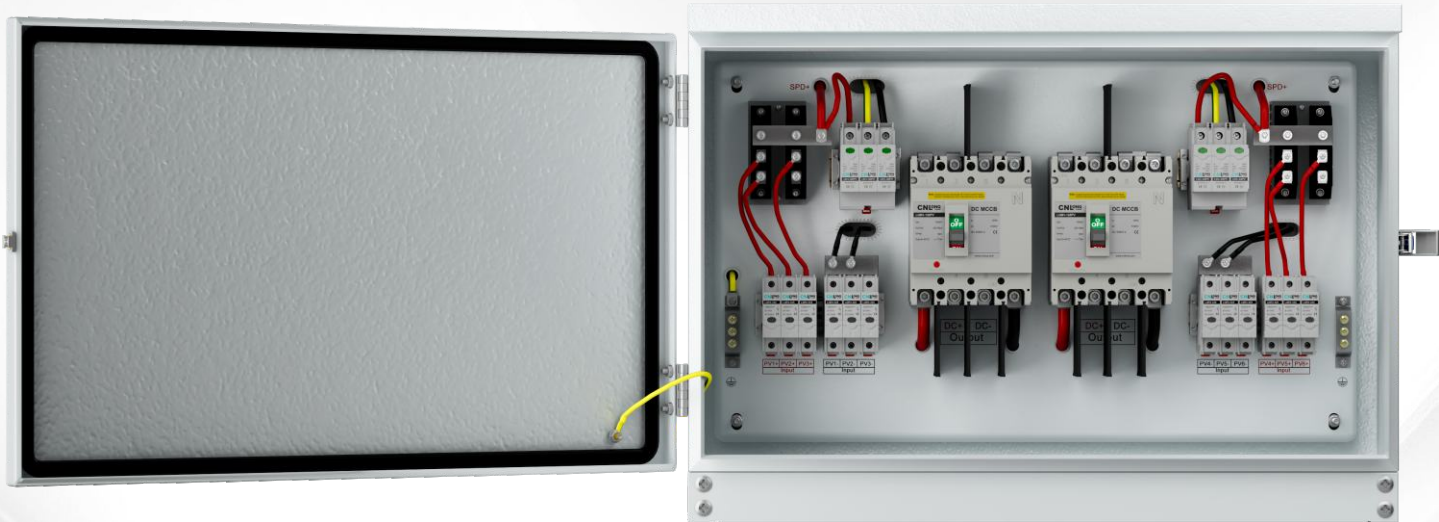
LQT6/2

CE ISO 9001 RoHS IEC IP65

CNLong.com

PV Combiner Box 6in 2out

DC 1000V



LQT6/2DC1000VM1-XF



IP65 outdoor waterproof and sun resistant UV-resistant



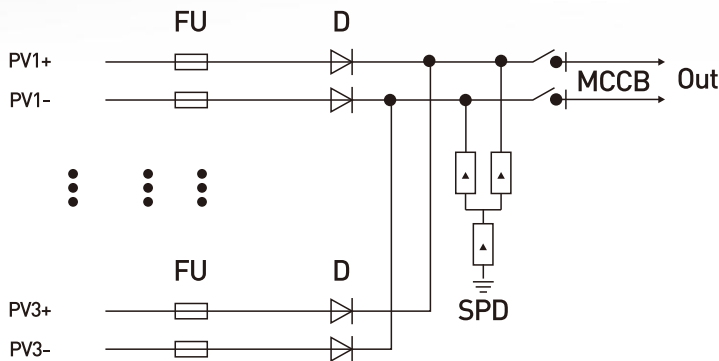
Short-circuit protection, overload protection, lightning protection, Isolation circuit



Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



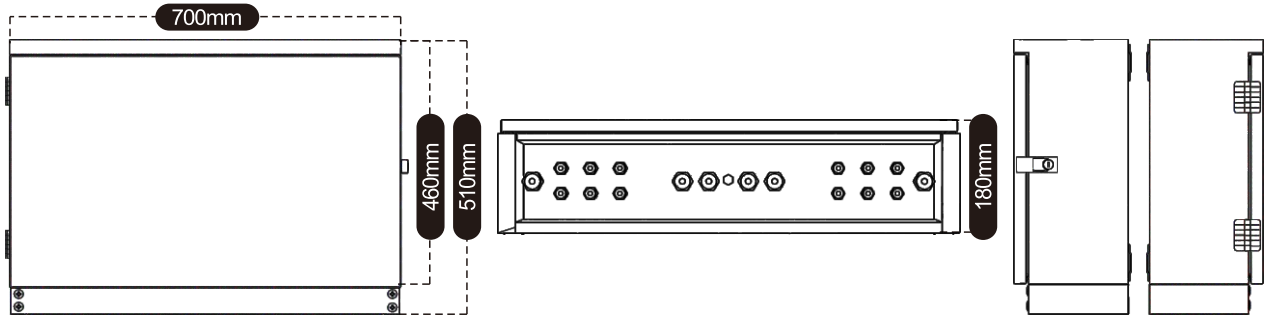
OEM/ODM Free Customization for PV Products



MCCB: Molded Case 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	LQT6/2DC1000VM1-XF	LQT6/2DC1000VM3-XF
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)	63/80/100/125	63~320
Quality Certificate	CE,ISO9001,RoHS,IP65	
Protection Level	IP65	
Impact Level	IK10	
Box Material	Cold-rolled steel	
Operating Temperature	-25°C ~ +60°C	
Humidity	≤95%	
Connector	MC4 or PG	
Installation	Wall Mounting	
Altitude	2000m	
Dimension	510*700*180mm	

MCCB(M1)		or	MCCB(M3 DC1000V)		or	MCCB(M3 1500V)	
Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1000		Rated Voltage Ue (V)	DC1500
Ui (V)	DC1600		Ui (V)	DC1250		Ui (V)	DC1500
Rated Current In(A)	160~250		Rated Current In(A)	63~320		Rated Current In(A)	63~800
Icu (kA)	20		Icu (kA)	20		Uimp (kV)	20
standard	IEC 60947-2		standard	IEC 60947-2		standard	IEC 60947-2
SPD			Fuse			LQR3-32 or LQR6-35 or LQR6-50	
Rated Voltage Ue (V)	DC1000/1500		Rated Voltage Ue (V)	DC1000		DC1500	DC1500
In (8/20)us (kA)	20		Rated Current In(A)	1~30		1~35	1~50
Imax (8/20)us (kA)	40		Fuse Size (mm)	10*38		10*65	10*85/14*85
Protection Level (kV)	3.6		Standard	IEC60269		IEC60269	IEC60269
standard	IEC 61643-31						