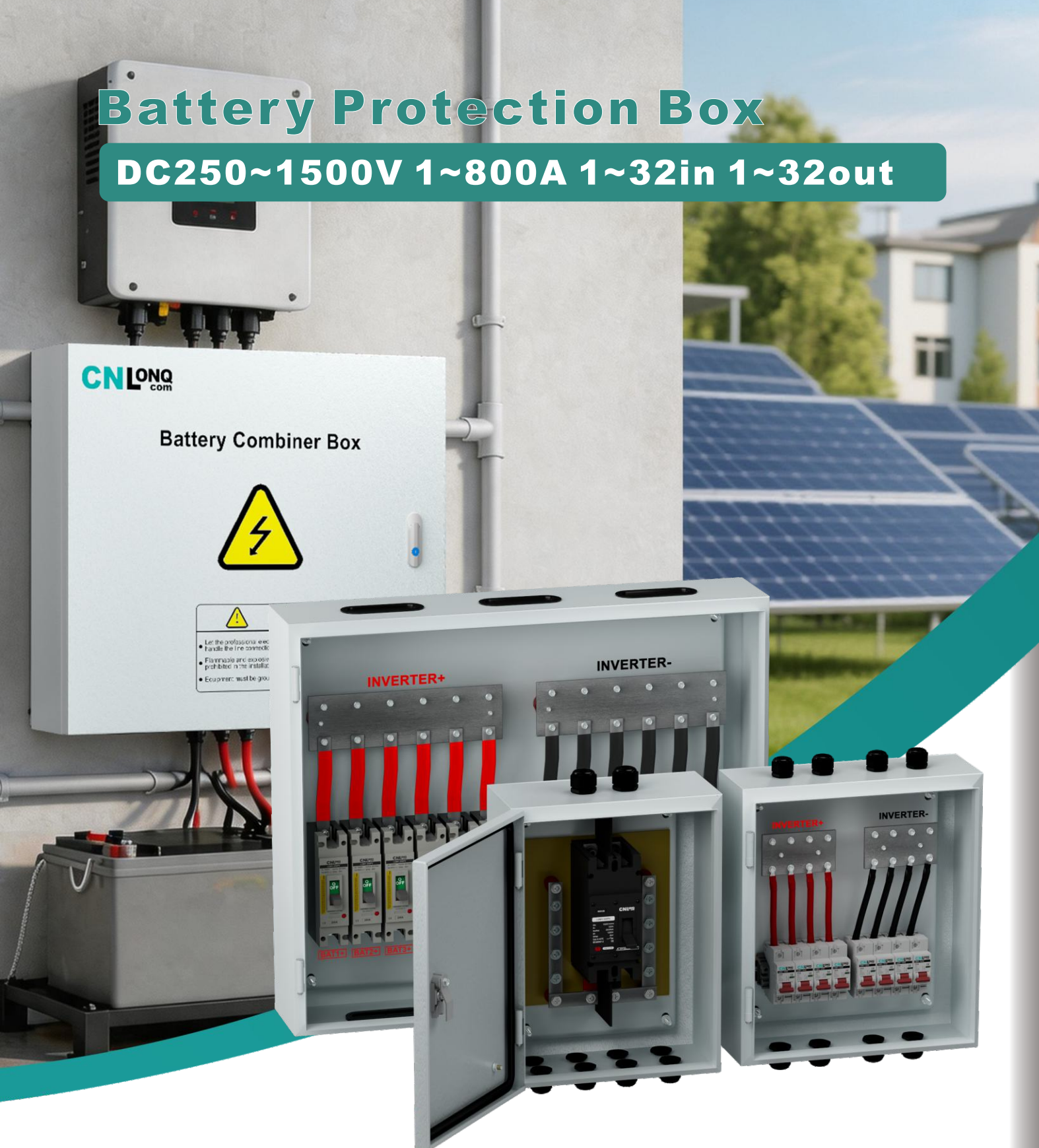


Battery Protection Box

DC250~1500V 1~800A 1~32in 1~32out



DC250V~1500V 16~800A input1~32 output1~32

CNLONQ battery protection combiner boxes are typically installed between the inverter and the battery bank. They provide circuit combining functionality while offering DC overcurrent protection, surge suppression, and fuse-based short-circuit protection, with an IP65/68+ protection rating. Battery protection boxes serve as the key hub for connecting multiple inverters to a battery bank. They consolidate DC power while providing the necessary protection and monitoring functions to maximize system safety, efficiency, and return on investment.



IP65/68 outdoor waterproof and sun resistant UV-resistant



Short-circuit protection, overload protection, Isolation circuit



PC or Metal housing, IK10 impact resistance, flame retardant, corrosion resistant



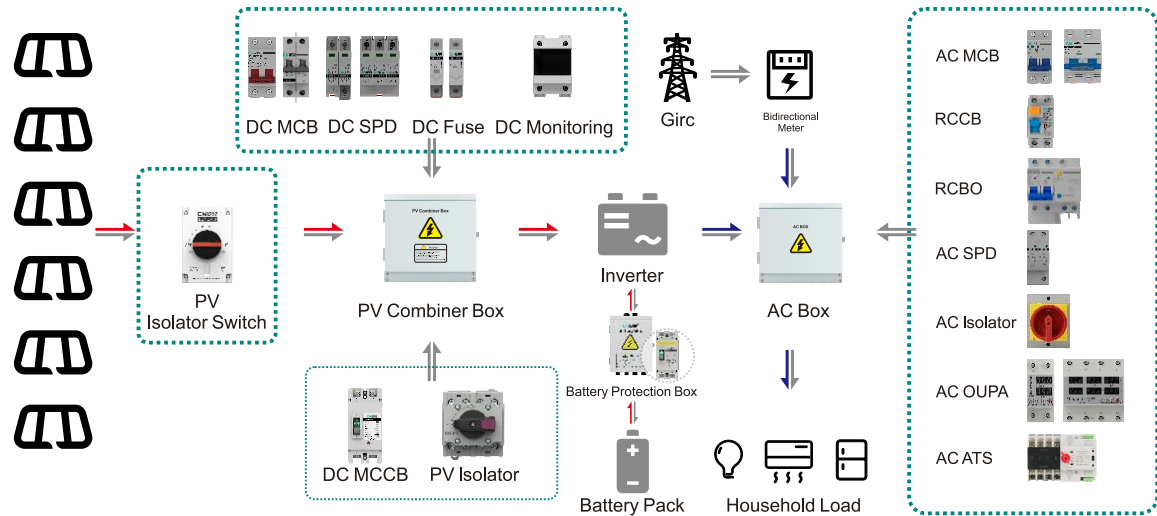
OEM/ODM Free Customization for PV Products

Company Profile

Wenzhou Longqi New Energy Co., Ltd. (Brand: 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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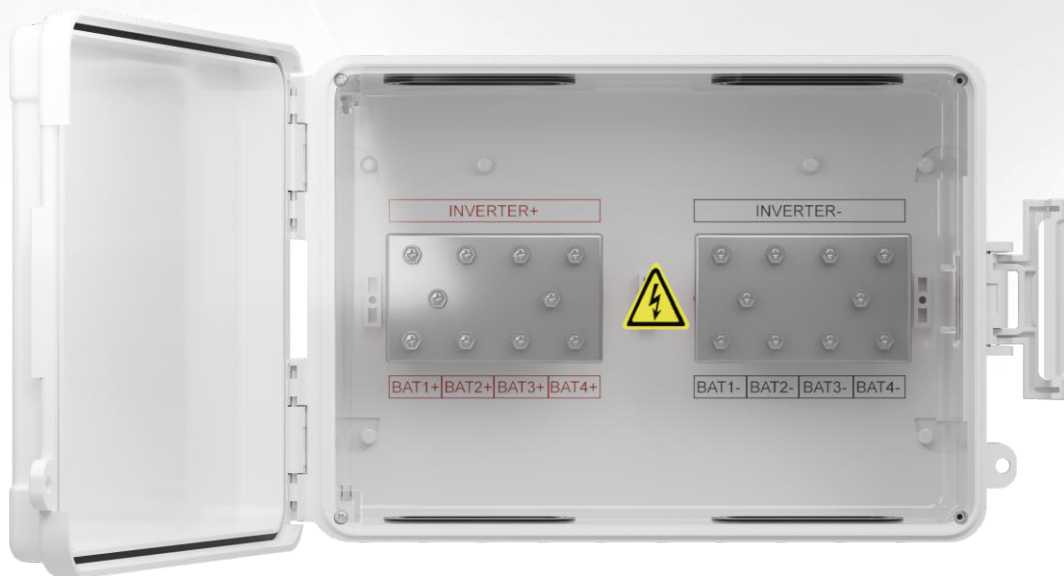
LQX-NBAT4-1000A

CE ISO IEC IP68

CN LONGQ.com

Battery Parallel Box

4in 4out 1000A



LQX-NBAT4



IP68 outdoor waterproof and sun resistant UV-resistant



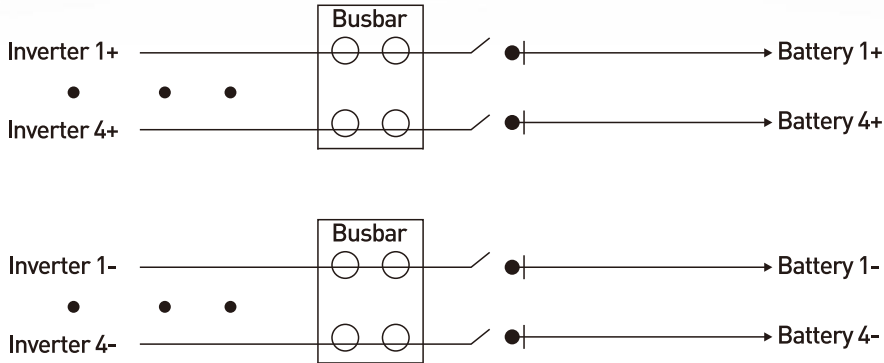
Current Convergence Reduce LossesExtend Service Life



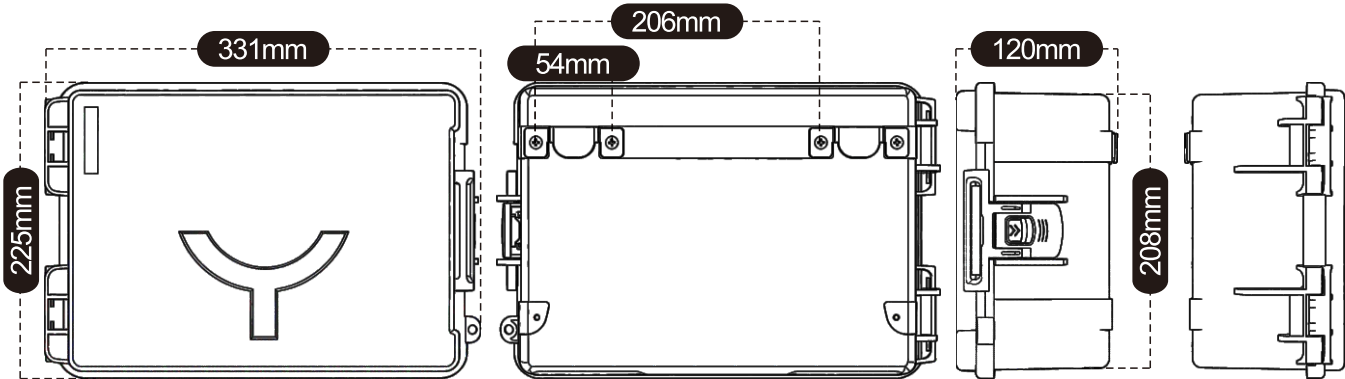
PC housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQX-NBAT4-1000A
String	4 in 4 out
Rated Current (A)	1000
Quality Certificate	CE,ISO9001,RoHS,IP68
Standard	IEC 60529
Protection Level	IP68
Impact Level	IK10
Box Material	PC
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	225*331*120mm

LQT-BAT1-M1 (M3)

CE

IEC

IP65

Battery Protection Box 1in 1out

DC500/1000V 63~320A



LQT-BAT1-M1

LQT-BAT1-M3



IP65 outdoor waterproof and sun resistant UV-resistant



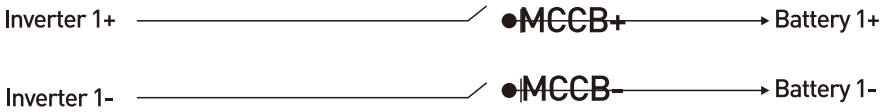
Short-circuit protection, overload protection, Isolation circuit



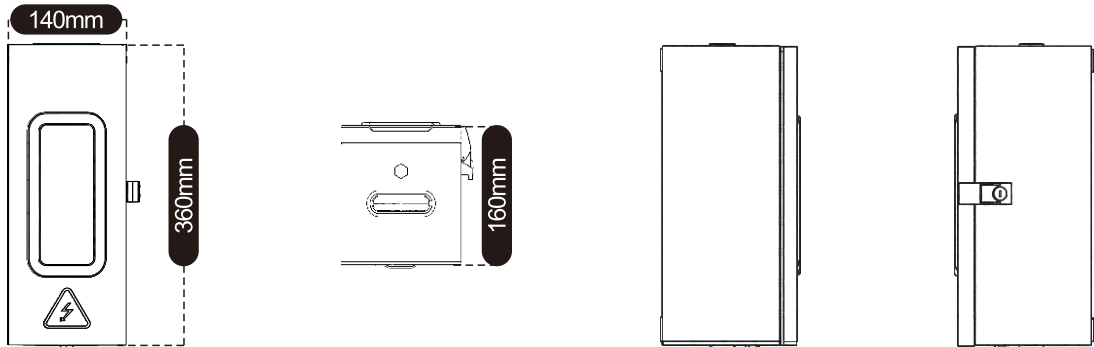
Cold-rolled stee housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data		
Model	LQT-BAT1-M1	LQT-BAT1-M3
String	1 in 1 out	
Rated Voltage Ue (V)	DC 500	DC 1000
Rated Insulation Voltage Ui (V)	DC 1600	DC 1250
Rated Current (A)	63~125	63~320
Rated Impulse Withstand Voltage(kV)	8	
Breaking Capacity Icu(kA)	20	
Quality Certificate	CE,ISO9001,RoHS,IP65	
Standard	IEC 60947-2, IEC 60529	
Protection Level	IP65	
Impact Level	IK10	
Box Material	Cold-rolled steel	
Operating Temperature	-25°C ~ +60°C	
Humidity	≤95%	
Installation	Wall mounting	
Altitude	2000m	
Dimension	360*140*160mm	

LQT-BAT3-M1 (M3)

CE



IEC

IP65

Battery Protection Box 1in 1out

DC500/1000V 63~320A



LQT-BAT3-M1



IP65 outdoor waterproof and sun resistant
UV-resistant



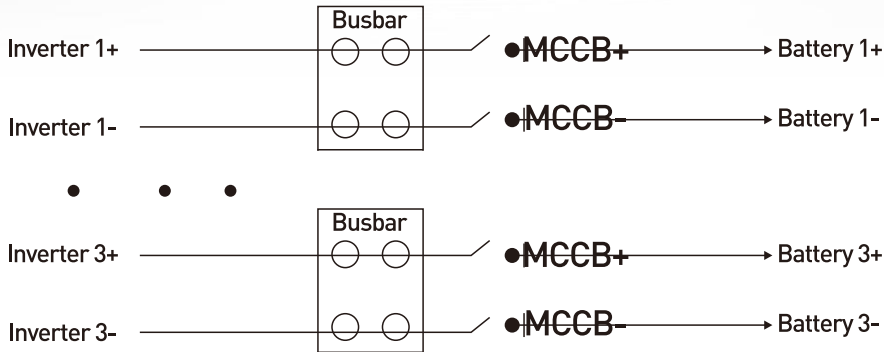
Short-circuit protection, overload protection, Isolation circuit



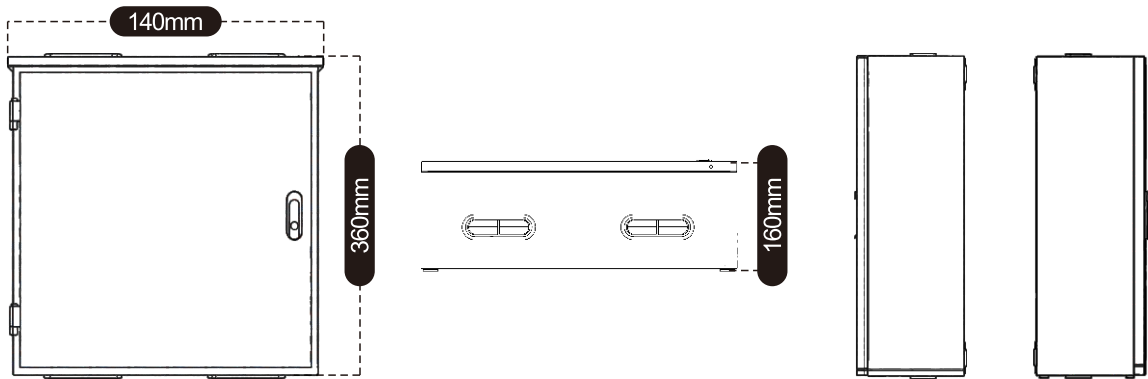
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data		
Model	LQT-BAT3-M1	LQT-BAT3-M3
String	3 in 3 out	
Rated Voltage Ue (V)	DC 500	DC 1000
Rated Insulation Voltage Ui (V)	DC 1600	DC 1250
Rated Current (A)	63~250	63~320
Rated Impulse Withstand Voltage(kV)	8	
Breaking Capacity Icu(kA)	20	
Quality Certificate	CE,ISO9001,RoHS,IP65	
Standard	IEC 60947-2, IEC 60529	
Protection Level	IP65	
Impact Level	IK10	
Box Material	Cold-rolled steel	
Operating Temperature	-25°C ~ +60°C	
Humidity	≤95%	
Installation	Wall mounting	
Altitude	2000m	
Dimension	600*600*200mm	

LQT-BAT4-B1

CE

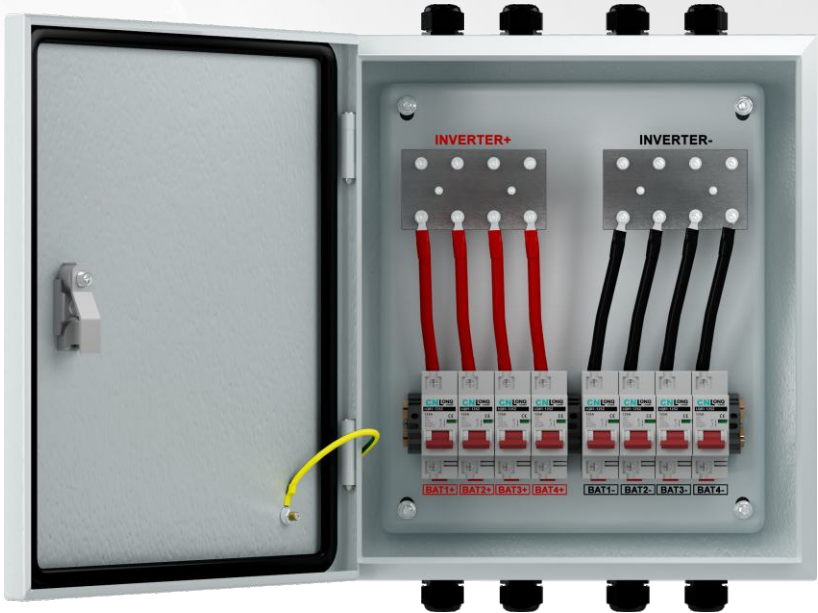


IEC

IP65

Battery Protection Box

4in 4out DC250V 80~125A



LQT-BAT4-B1



IP65 outdoor waterproof and sun resistant UV-resistant



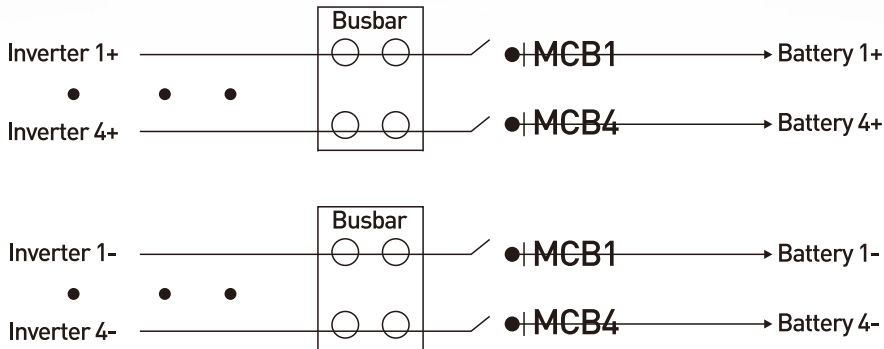
Short-circuit protection, overload protection, Isolation circuit



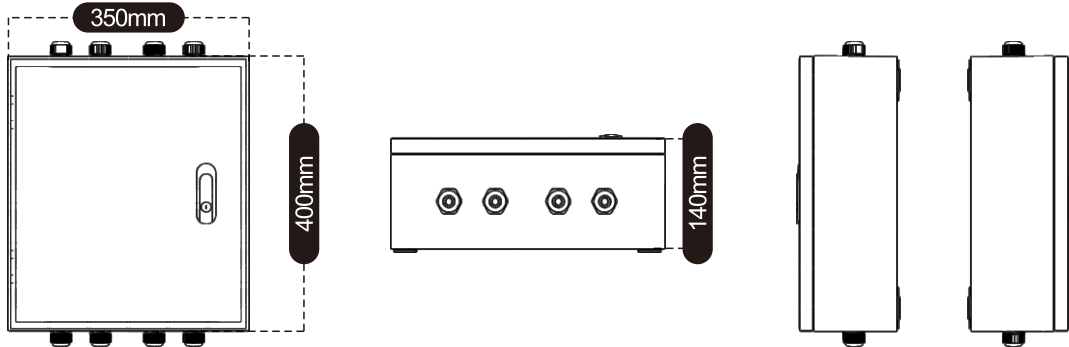
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT4-B1
String	4 in 4 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1000
Rated Current (A)	125
Rated Impulse Withstand Voltage(kV)	4
Breaking Capacity Icu(kA)	6
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	400*350*140mm

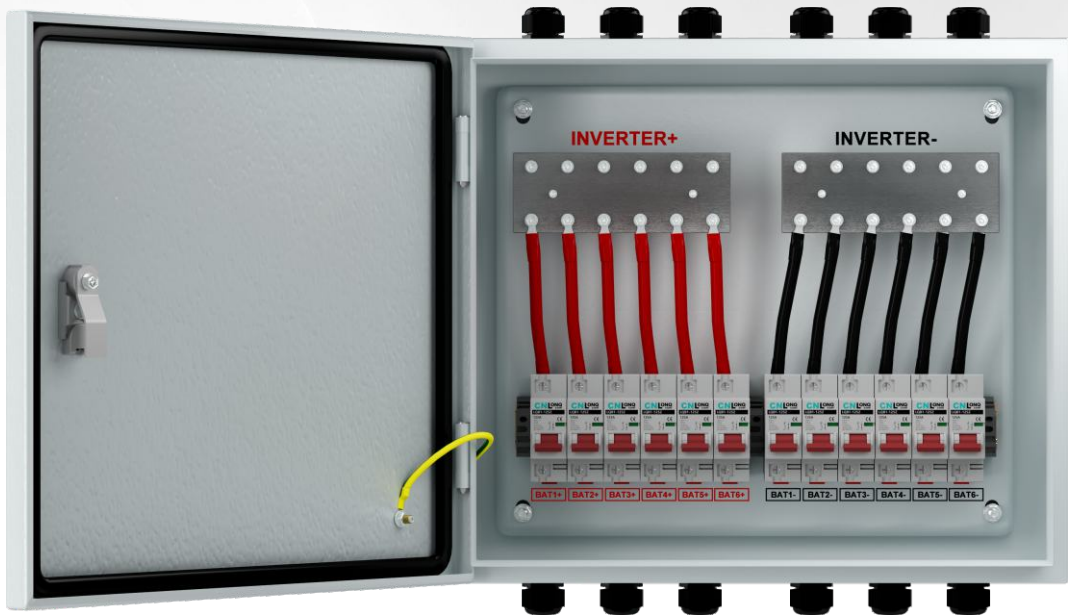
LQT-BAT6-B1

CE ISO IEC IP65

CN LONGQ.com

Battery Protection Box

6in 6out DC250V 80~125A



LQT-BAT6-B1



IP65 outdoor waterproof and sun resistant UV-resistant



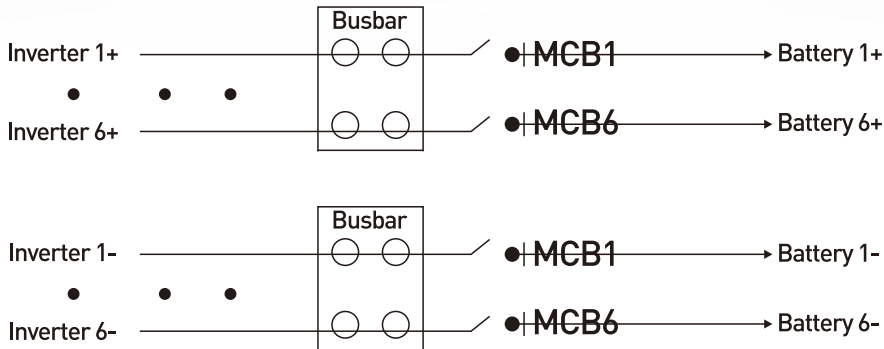
Short-circuit protection, overload protection, Isolation circuit



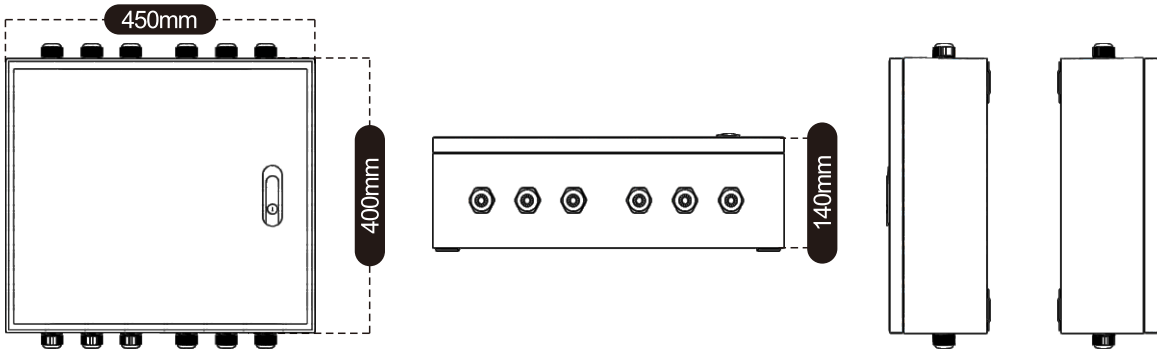
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



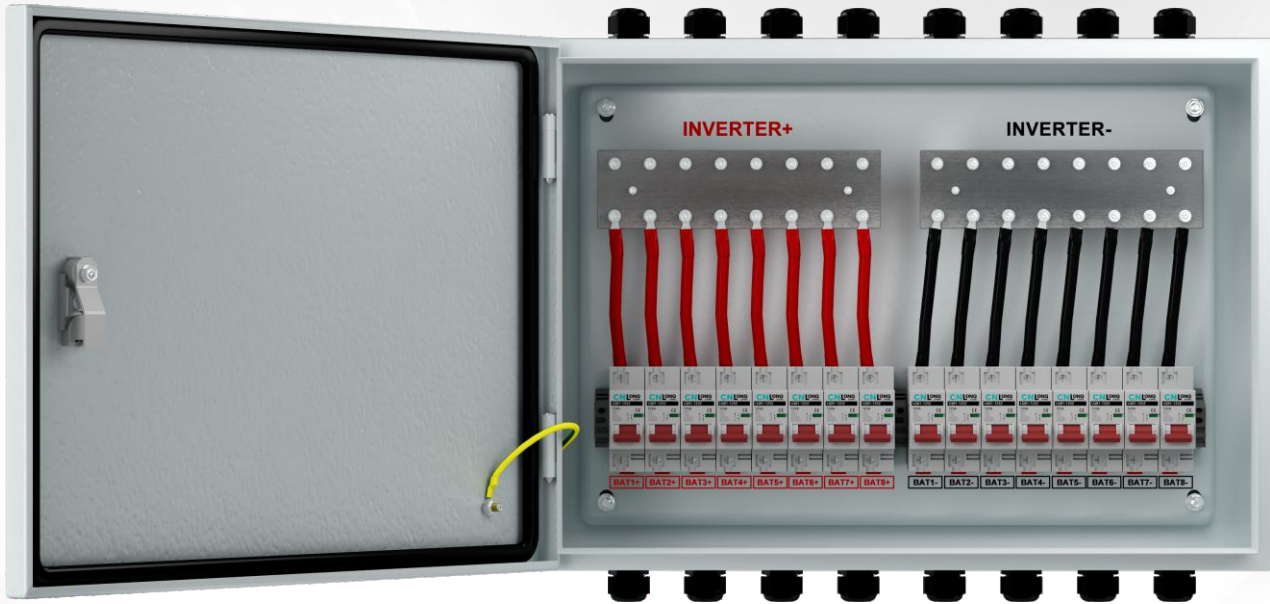
Technical data	
Model	LQT-BAT6-B1
String	6 in 6 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1000
Rated Current (A)	125
Rated Impulse Withstand Voltage(kV)	4
Breaking Capacity Icu(kA)	6
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	400*450*140mm

LQT-BAT8-B1

CE ISO 9001 IEC IP65

Battery Protection Box

8in 8out DC250V 80~125A



LQT-BAT8-B1



IP65 outdoor waterproof and sun resistant UV-resistant



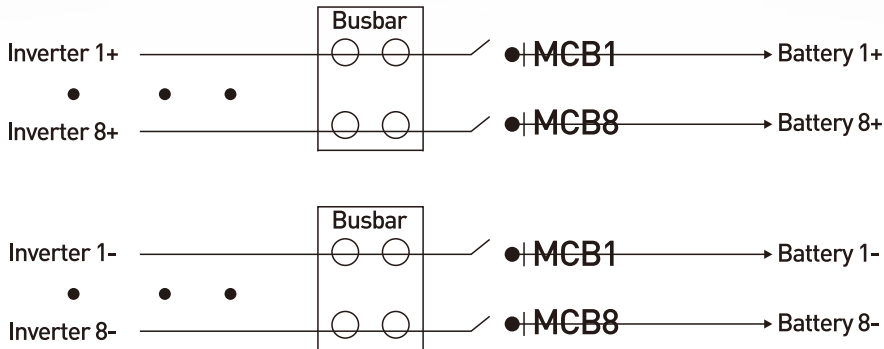
Short-circuit protection, overload protection, Isolation circuit



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

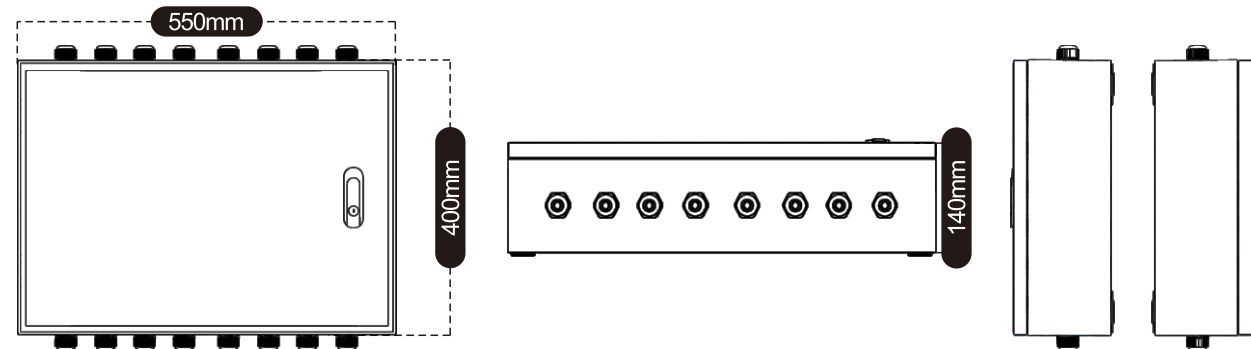


OEM/ODM Free Customization for PV Products



CN LONG.com

Product Dimension Drawing (mm)



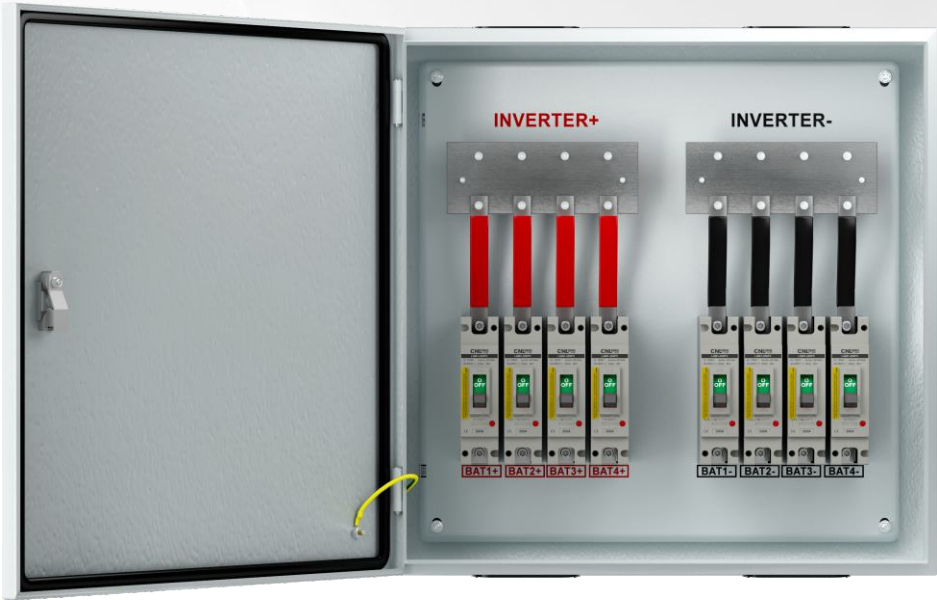
Technical data	
Model	LQT-BAT8-B1
String	8 in 8 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1000
Rated Current (A)	125
Rated Impulse Withstand Voltage(kV)	4
Breaking Capacity Icu(kA)	6
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	400*550*140mm

LQT-BAT4-M1

CE  IEC IP65

Battery Protection Box

4in 4out **DC250V 63~250A**



LQT-BAT4-M1



IP65 outdoor waterproof and sun resistant UV-resistant



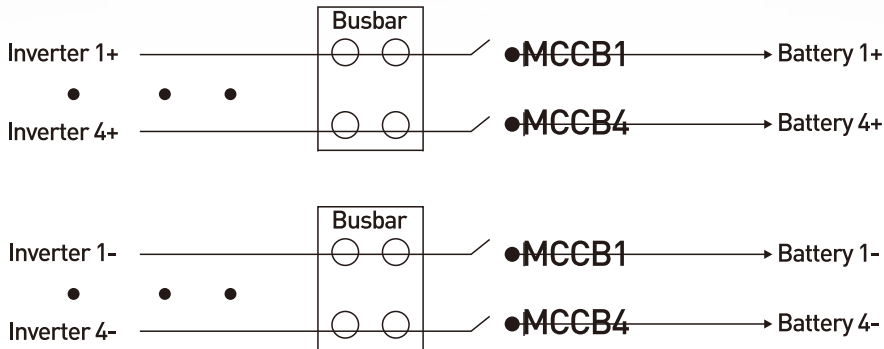
Short-circuit protection, overload protection, Isolation circuit



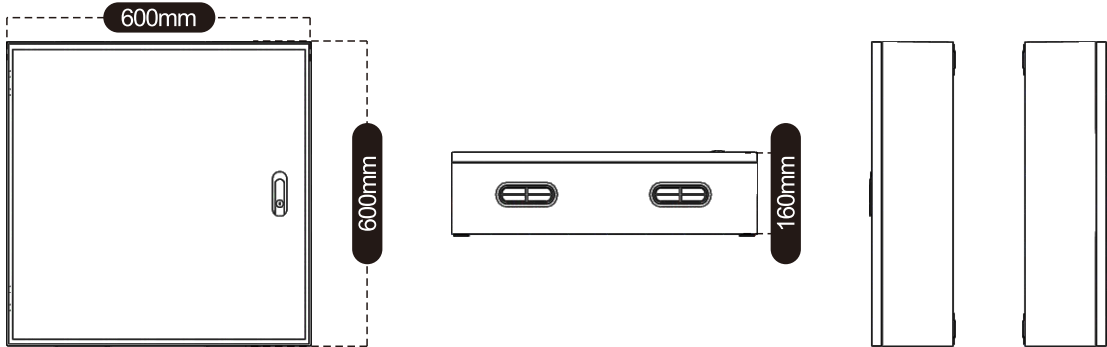
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT4-M1
String	4 in 4 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*600*160mm

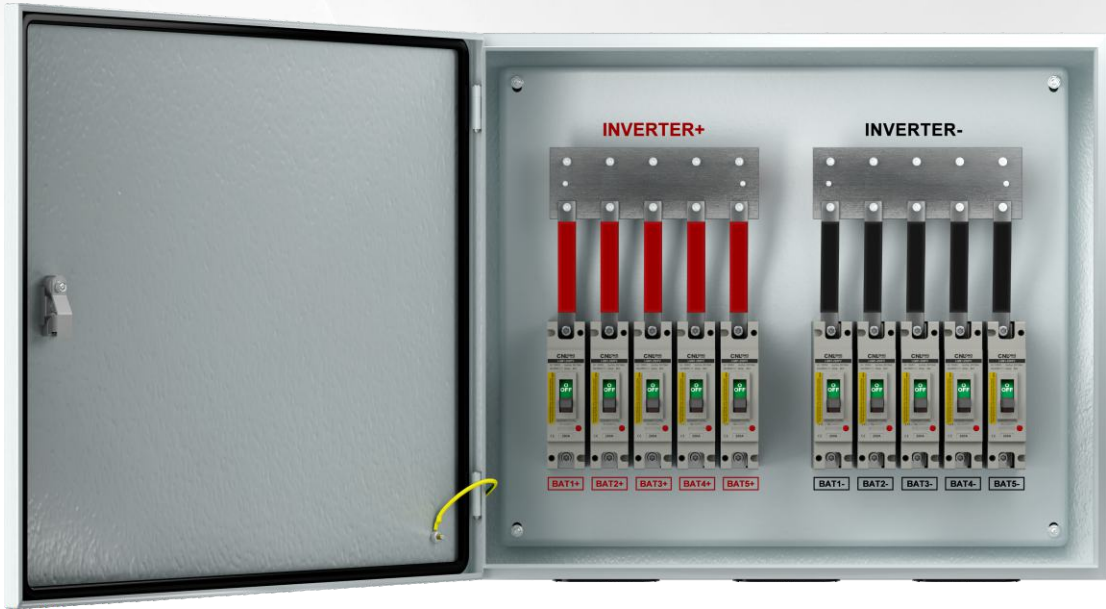
LQT-BAT5-M1

CE  IEC IP65

CN **LONG**Q.com

Battery Protection Box

5in 5out **DC250V 63~250A**



LQT-BAT5-M1



IP65 outdoor
waterproof and sun
resistant
UV-resistant



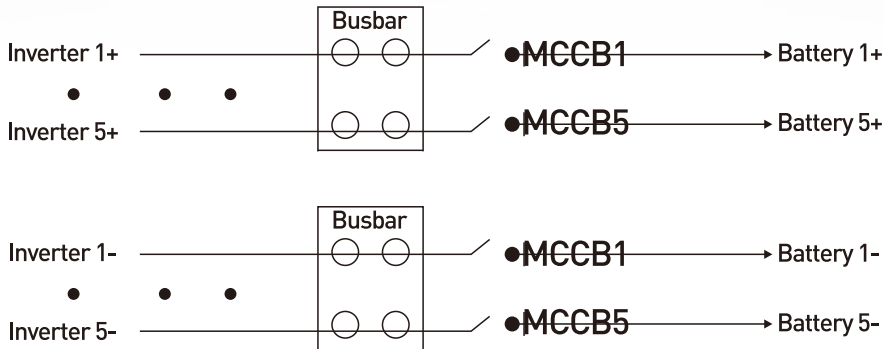
Short-circuit protection,
overload protection,
Isolation circuit



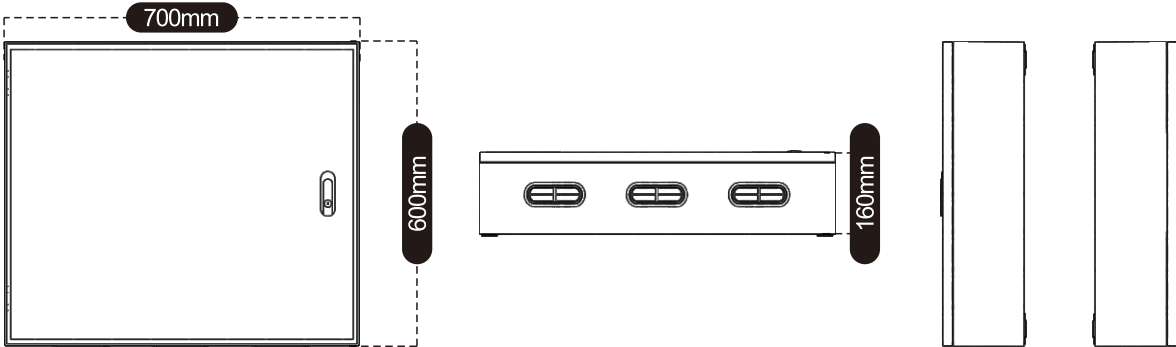
Cold-rolled steel housing,
IK10 impact resistance,
Acid and alkali resistant,
corrosion resistant



OEM/ODM Free
Customization
for PV Products



Product Dimension Drawing (mm)

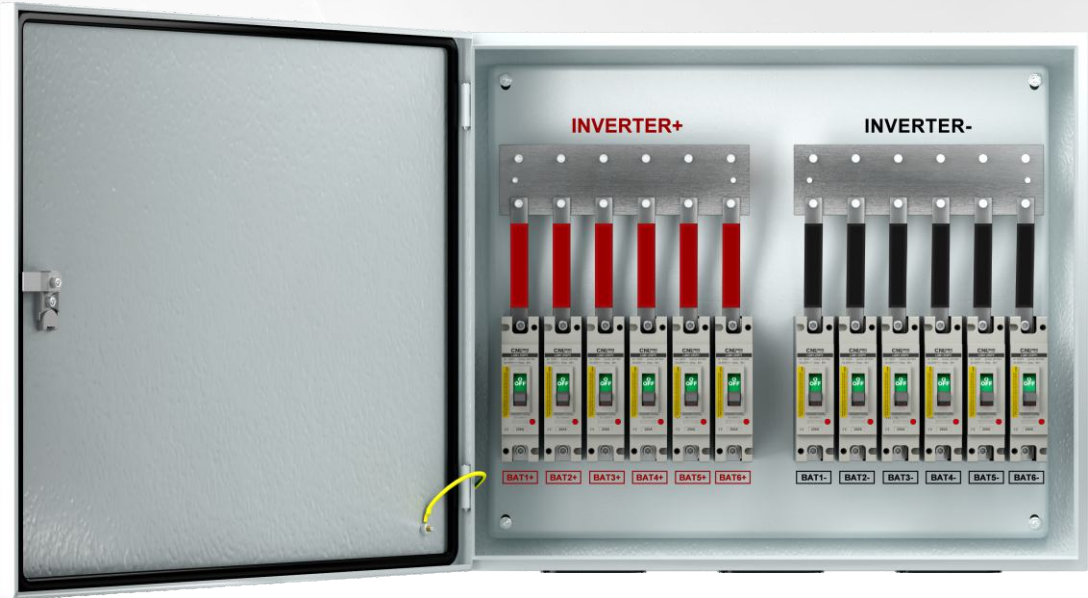


Technical data	
Model	LQT-BAT5-M1
String	5 in 5 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*700*160mm

LQT-BAT6-M1

CE ISO IEC IP65

Battery Protection Box
6in 6out **DC250V 63~250A**



LQT-BAT6-M1



IP65 outdoor waterproof and sun resistant UV-resistant



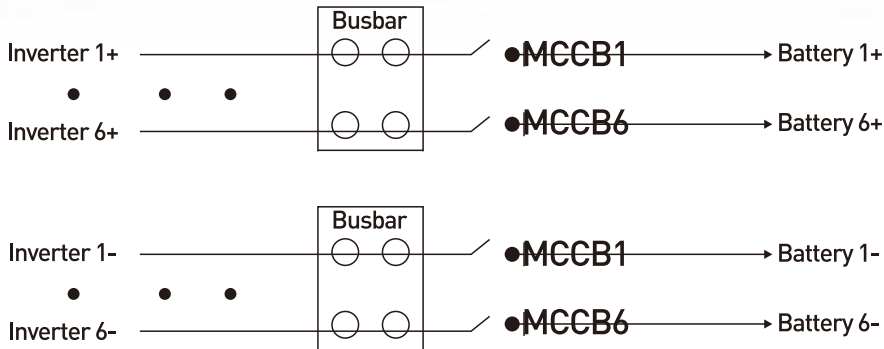
Short-circuit protection, overload protection, Isolation circuit



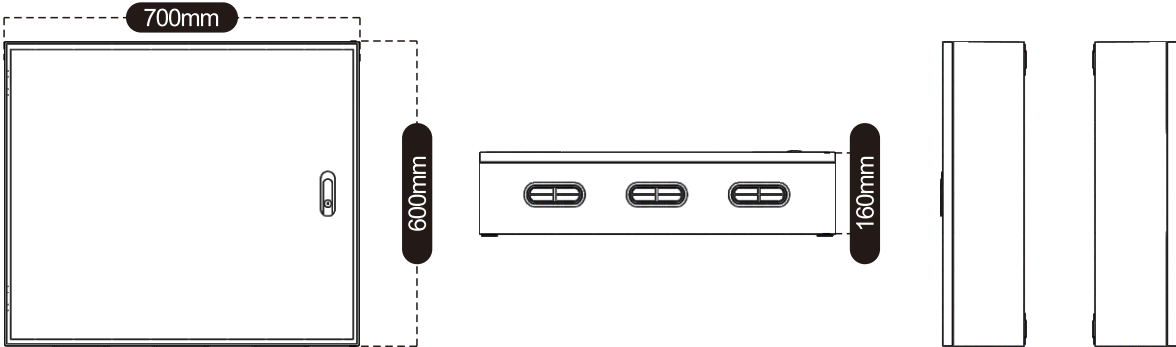
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT6-M1
String	6 in 6 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*700*160mm

LQT-BAT7-M1

CE ISO IEC IP65

CN LONGQ.com

Battery Protection Box
7in 7out **DC250V 63~250A**



LQT-BAT7-M1



IP65 outdoor waterproof and sun resistant UV-resistant



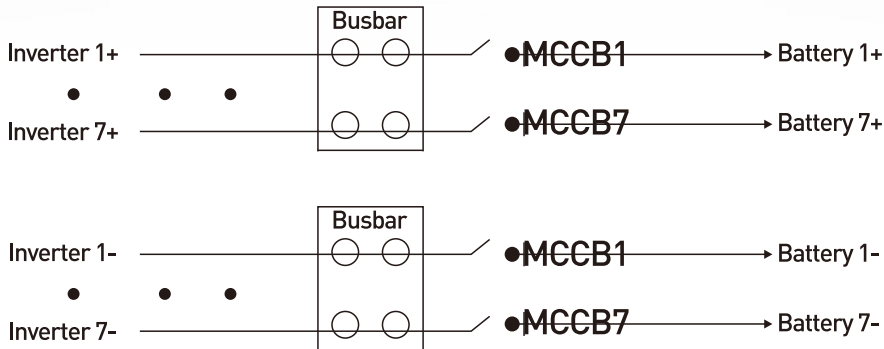
Short-circuit protection, overload protection, Isolation circuit



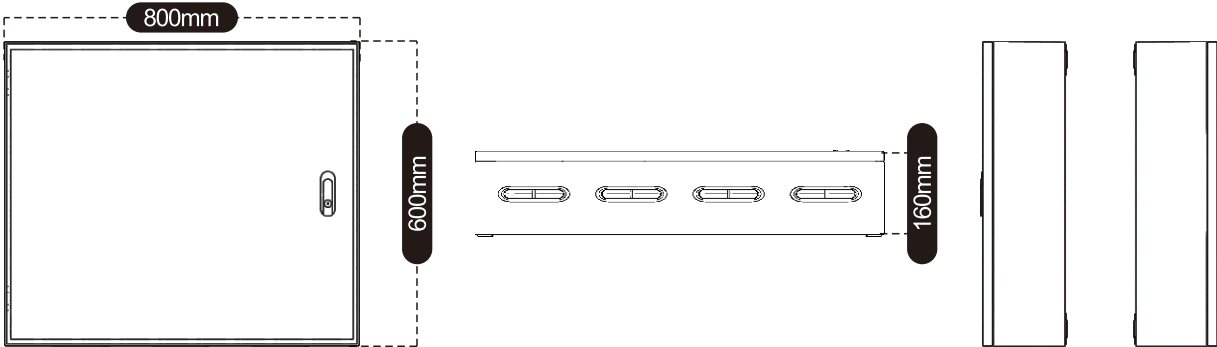
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



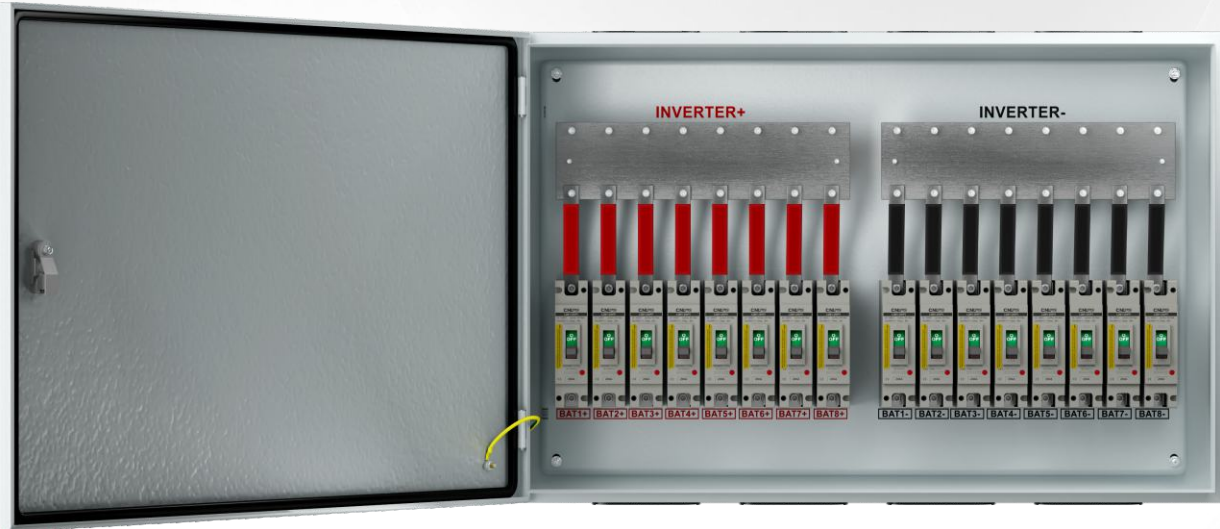
Technical data	
Model	LQT-BAT7-M1
String	7 in 7 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*800*160mm

LQT-BAT8-M1

CE ISO IEC IP65

CN LONGQ.com

Battery Protection Box
8in 8out **DC250V 63~250A**



LQT-BAT8-M1



IP65 outdoor
waterproof and sun
resistant
UV-resistant



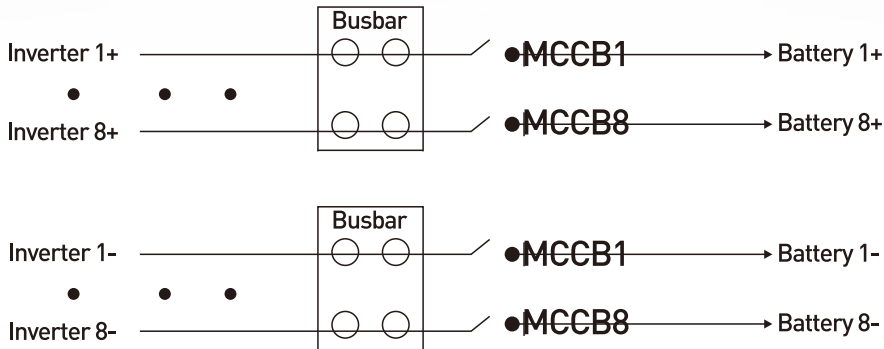
Short-circuit protection,
overload protection,
Isolation circuit



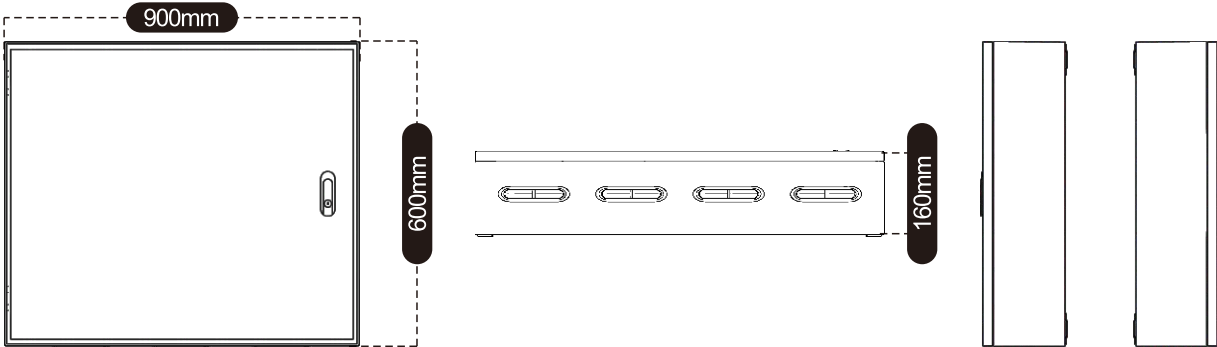
Cold-rolled steel housing,
IK10 impact resistance,
Acid and alkali resistant,
corrosion resistant



OEM/ODM Free
Customization
for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT8-M1
String	8 in 8 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*900*160mm

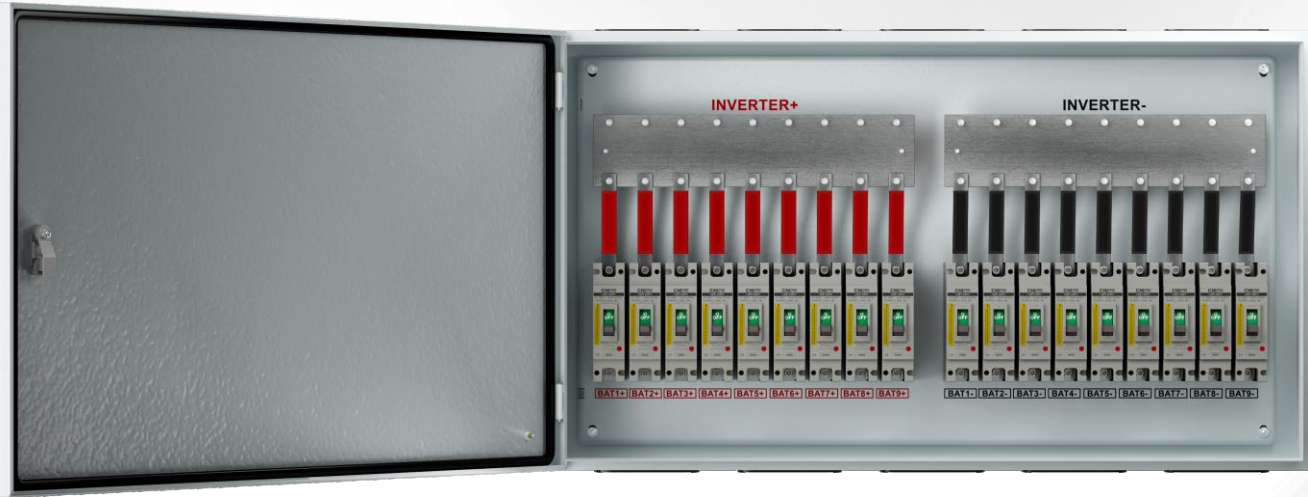
LQT-BAT9-M1

CE ISO IEC IP65

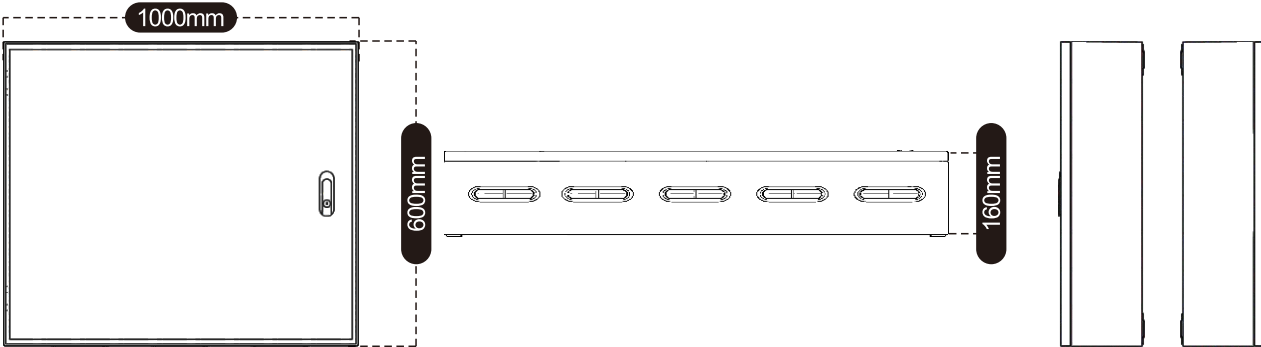
CN LONGQ.com

Battery Protection Box

9in 9out DC250V 63~250A



Product Dimension Drawing (mm)



LQT-BAT9-M1



IP65 outdoor waterproof and sun resistant UV-resistant



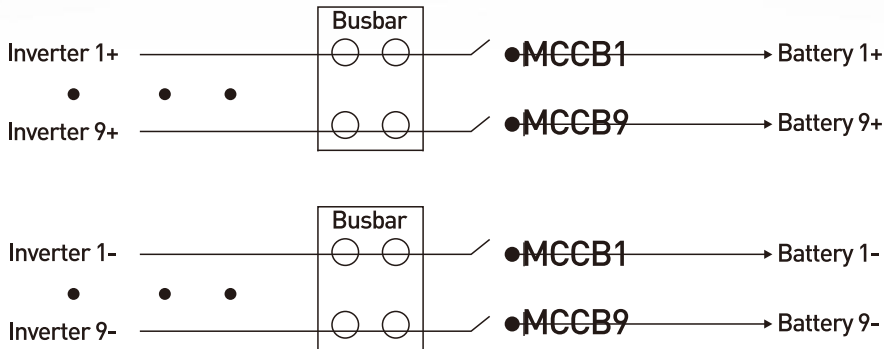
Short-circuit protection, overload protection, Isolation circuit



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



OEM/ODM Free Customization for PV Products



Technical data

Model	LQT-BAT9-M1
String	9 in 9 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*1000*160mm

LQT-BAT1/4-M1

CE  IEC IP65

Battery Protection Box

1in 4out **DC500V 63~250A**



LQT-BAT1/4-M1



IP65 outdoor waterproof and sun resistant UV-resistant



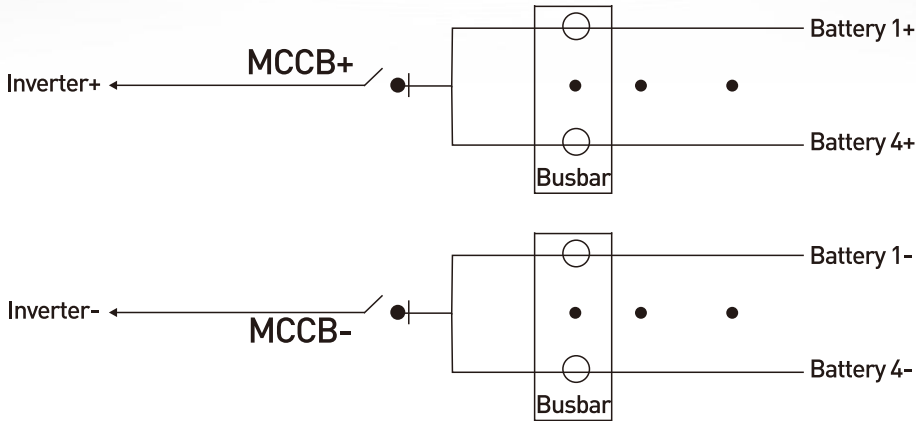
Short-circuit protection, overload protection, Isolation circuit



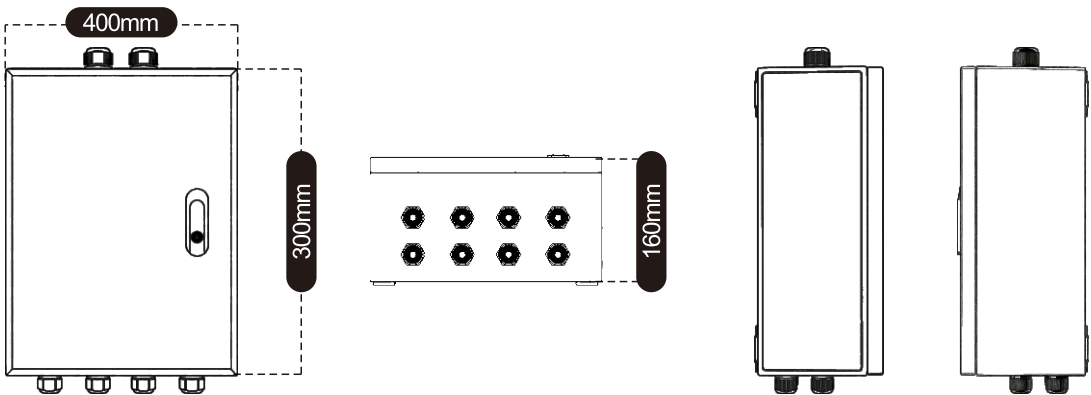
Cold-rolled steel housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT1/4-M1
String	1 in 4 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/80/100/125/180/200/225/250
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	300*400*160mm

LQT-BAT1/4-M3 320

CE



IEC

IP65

Battery Protection Box

1in 4out **DC1000V 63~320A**



LQT-BAT1/4-M3 320



IP65 outdoor waterproof and sun resistant UV-resistant



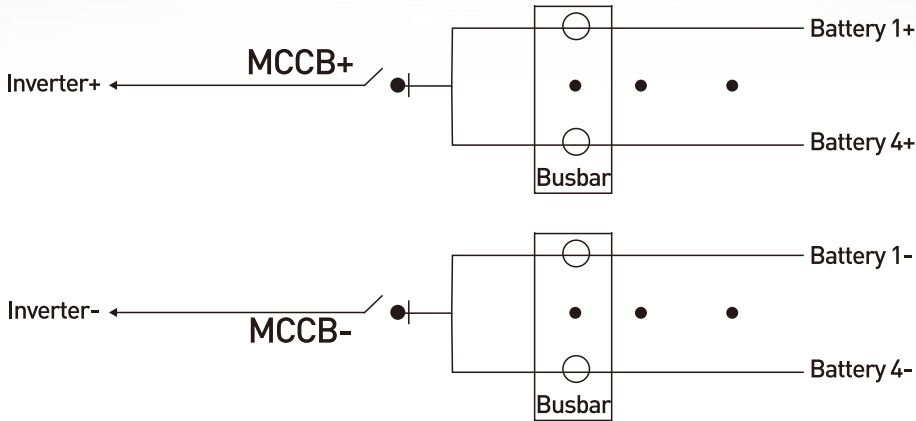
Short-circuit protection, overload protection, Isolation circuit



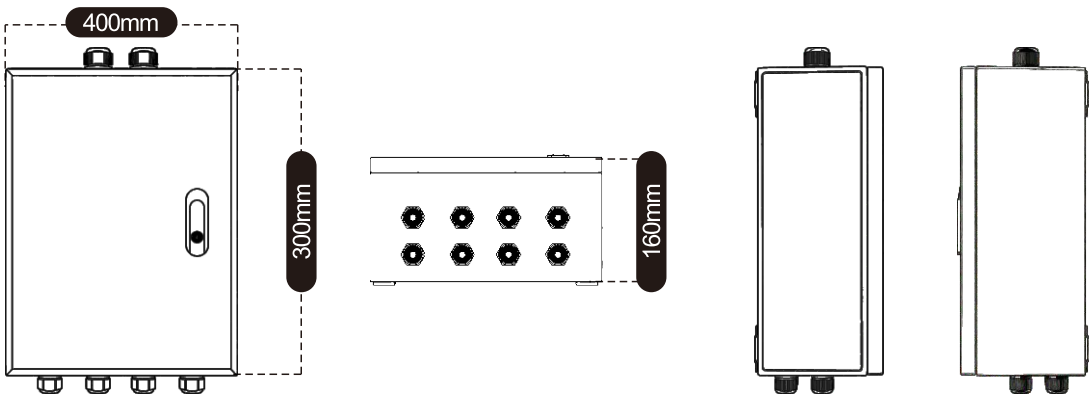
Cold-rolled stee housing, IK10 impact resistance, Acid and alkali resistant, corrosion resistant



OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT1/4-M3 320
String	1 in 4 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	63/100/125/160/180/200/225/250/300/320
Rated Impulse Withstand Voltage(kV)	8
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	300*400*160mm

LQT-BAT1/4-M3 800

CE



IEC

IP65

Battery Protection Box

1in 4out **DC1500V 400~800A**



LQT-BAT1/4-M3 800

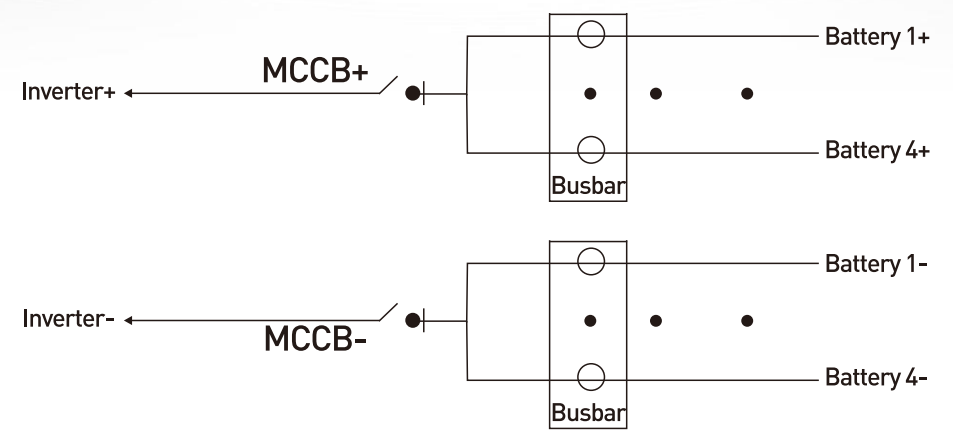
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IP65 outdoor waterproof and sun resistant UV-resistant
- 

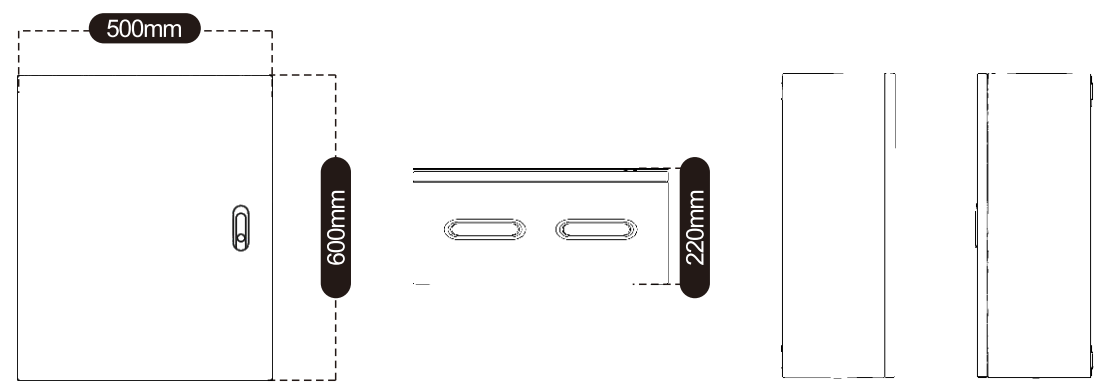
Short-circuit protection, overload protection, Isolation circuit
- 

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

OEM/ODM Free Customization for PV Products



Product Dimension Drawing (mm)



Technical data	
Model	LQT-BAT1/4-M3 800
String	1 in 4 out
Rated Voltage Ue (V)	DC 250
Rated Insulation Voltage Ui (V)	DC 1600
Rated Current (A)	400/450/500/630/700/800
Rated Impulse Withstand Voltage(kV)	12
Breaking Capacity Icu(kA)	20
Quality Certificate	CE,ISO9001,RoHS,IP65
Standard	IEC 60947-2, IEC 60529
Protection Level	IP65
Impact Level	IK10
Box Material	Cold-rolled steel
Operating Temperature	-25°C ~ +60°C
Humidity	≤95%
Connector	Sheath or PG
Installation	Wall mounting
Altitude	2000m
Dimension (Connectors not included)	600*500*220mm