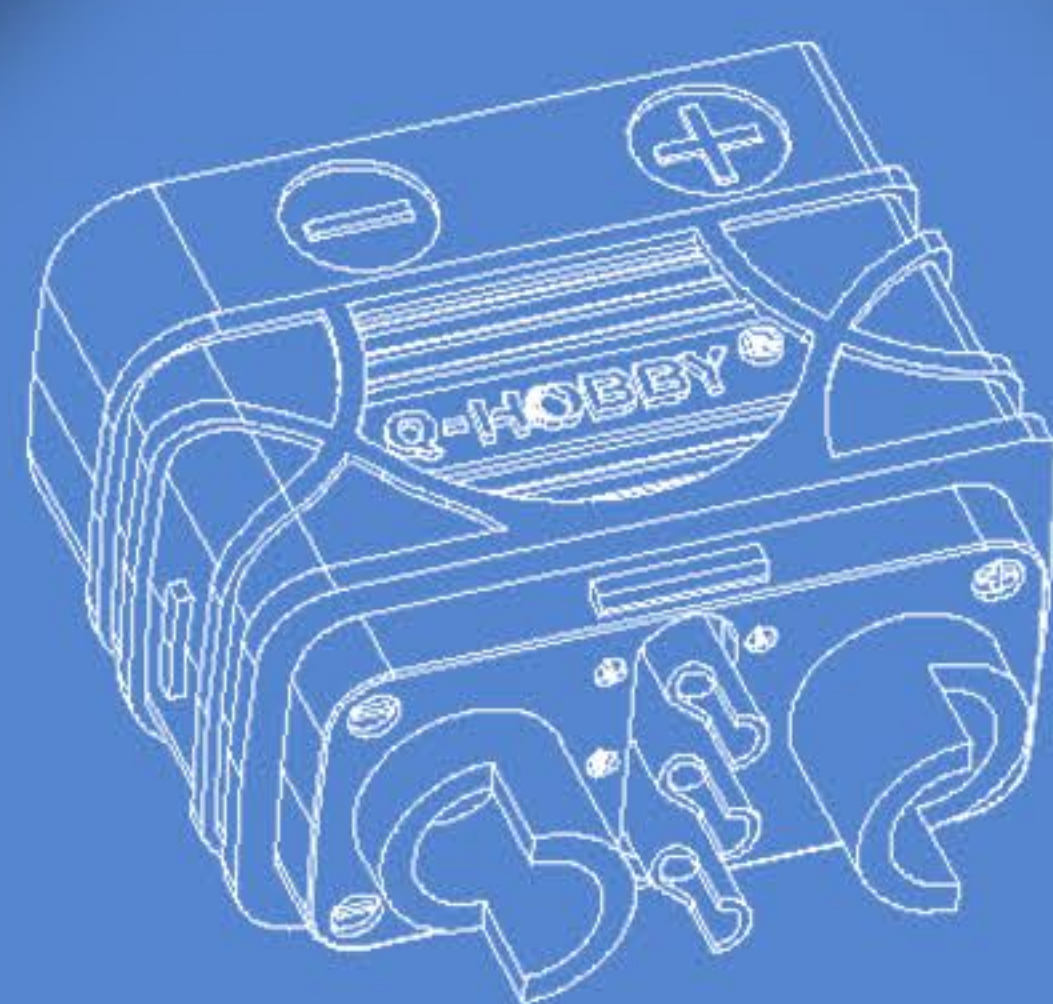




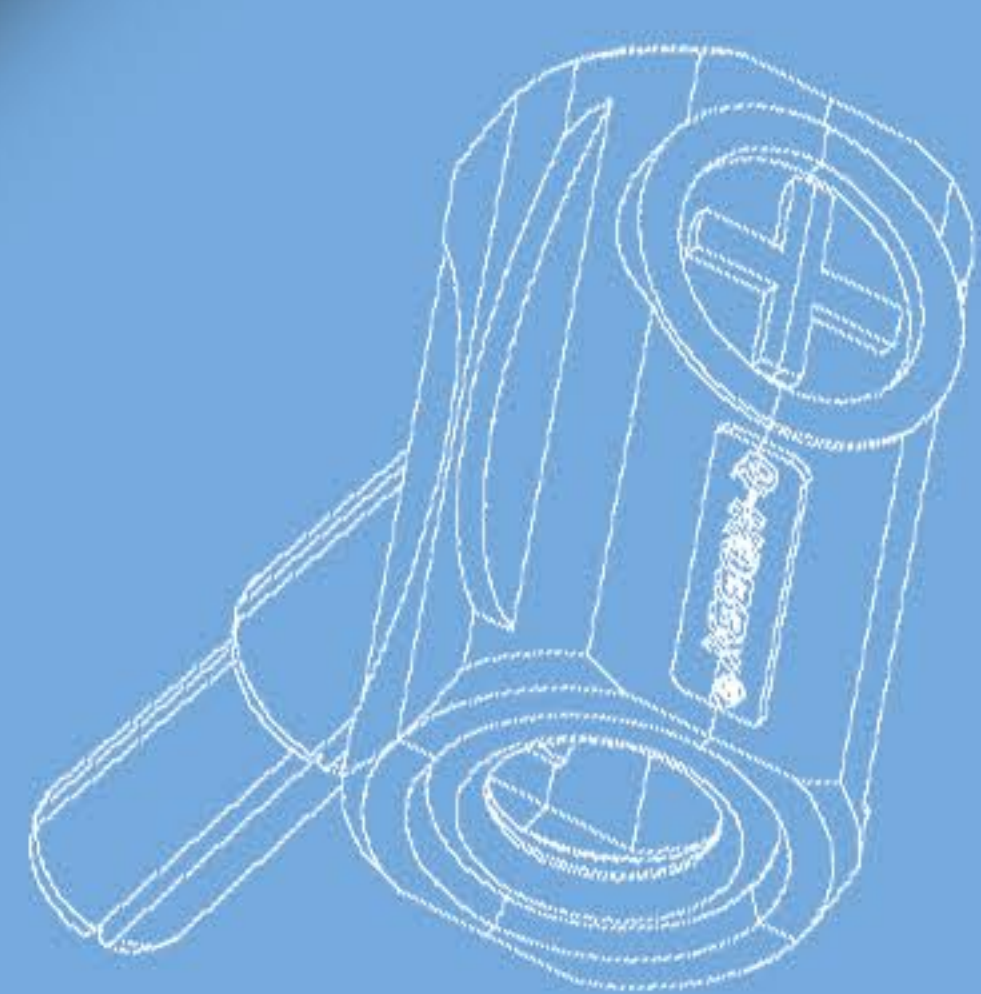
东莞市求尚电子科技有限公司
Dongguan Qiushang Electronic Technology Co., Ltd.

PRODUCT SPECIFICATIONS

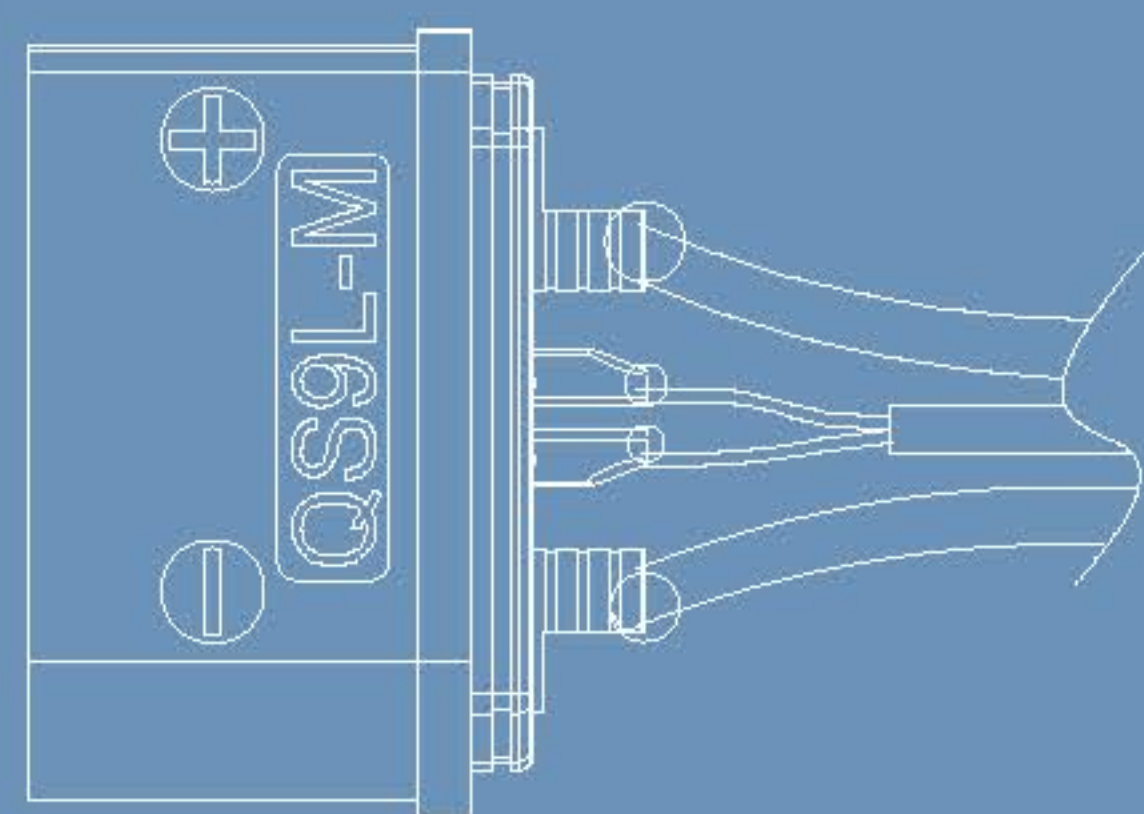
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CONNECTOR



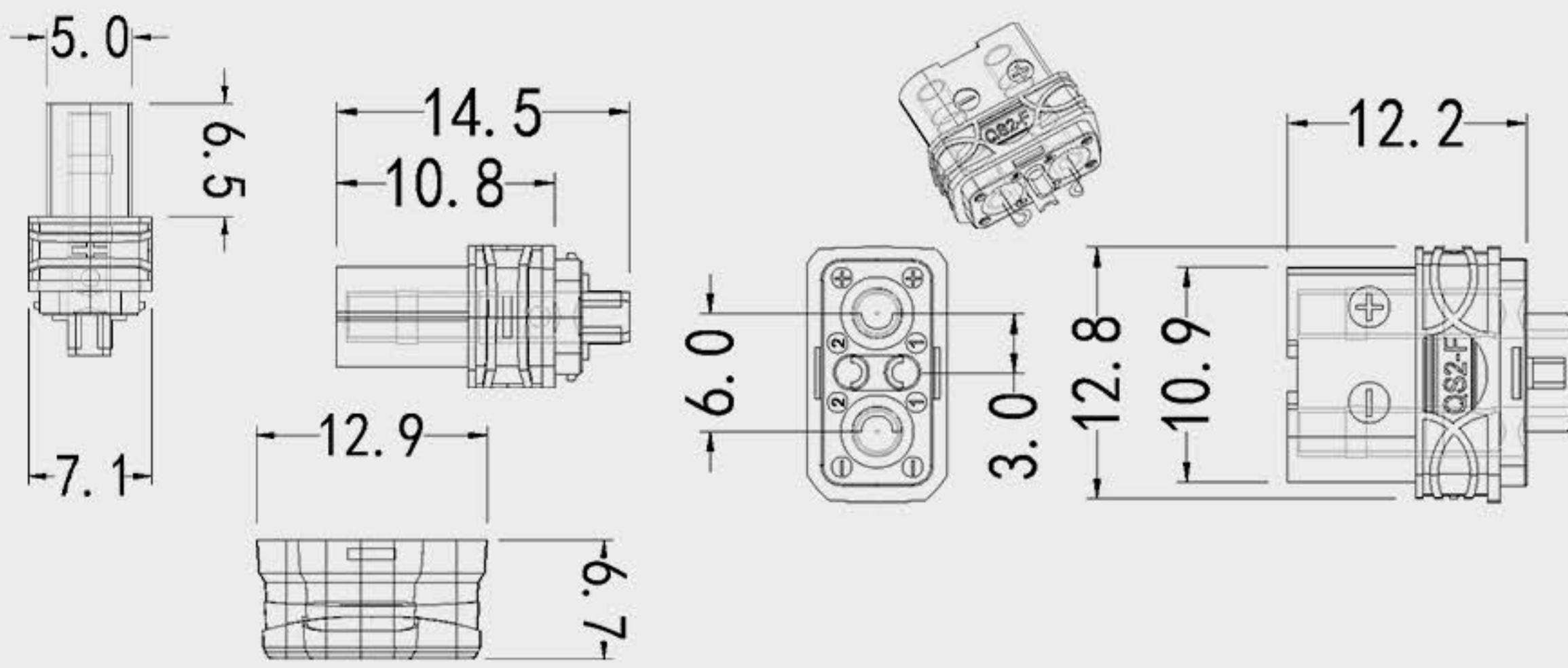
PLUG



WIRING
CONNECTOR



QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS2-Female			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	15A		
Max Current	30A		
Rated Voltage	500V DC		
Contact Resistance	1.2mΩ		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C+120°C		
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
Mechanical Behavior	Characteristic		
Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
Shear strength	>790kg/cm²		
Environmental Performance	Characteristic		
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance		
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal		
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS2-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	15A
Max Current	30A
Rated Voltage	500V DC
Contact Resistance	1.2mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery 遥控模型

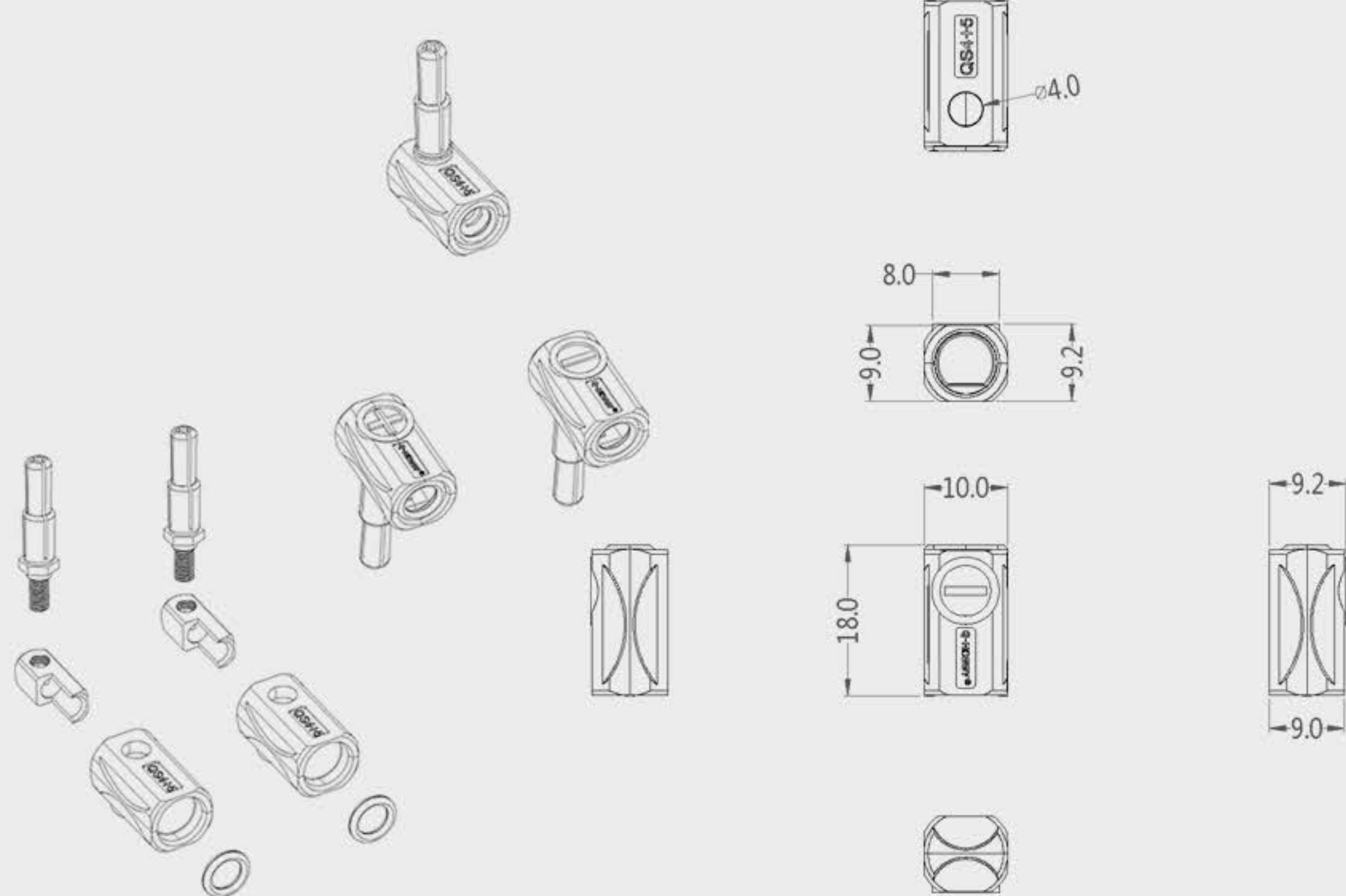
energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS4+5		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PC+ABS	Black & Red	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	40A
Max Current	70A
Rated Voltage	500V DC
Contact Resistance	0.5mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

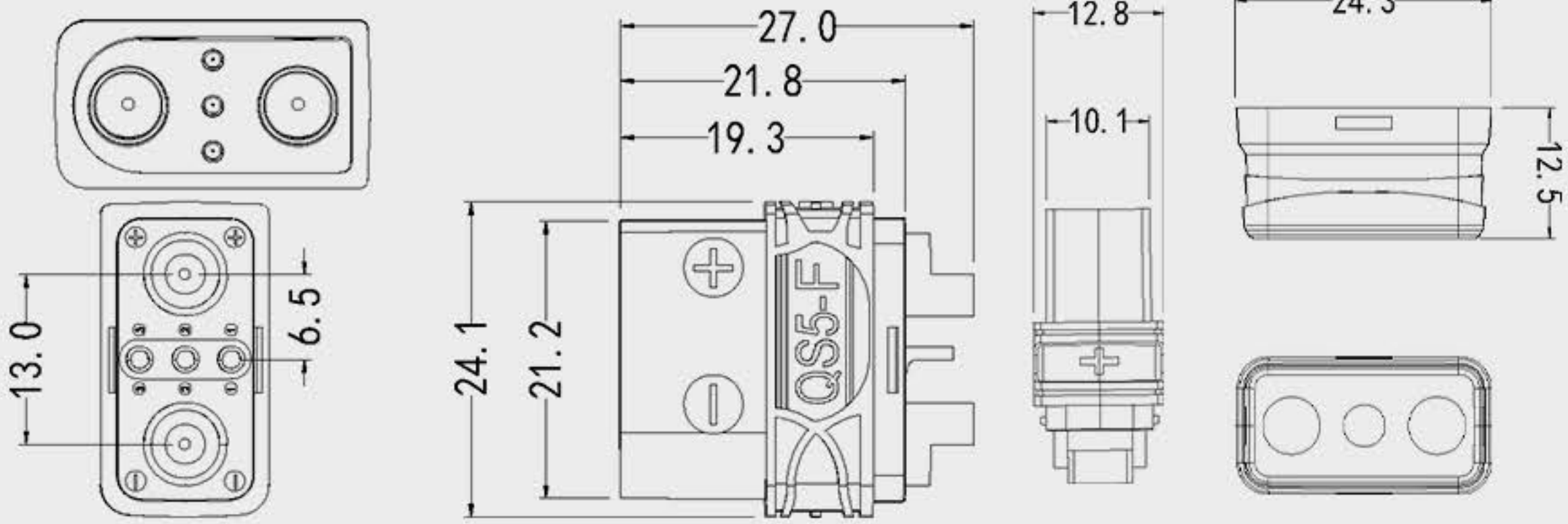
☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS5-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	60A
Max Current	90A
Rated Voltage	500V DC
Contact Resistance	0.4mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach

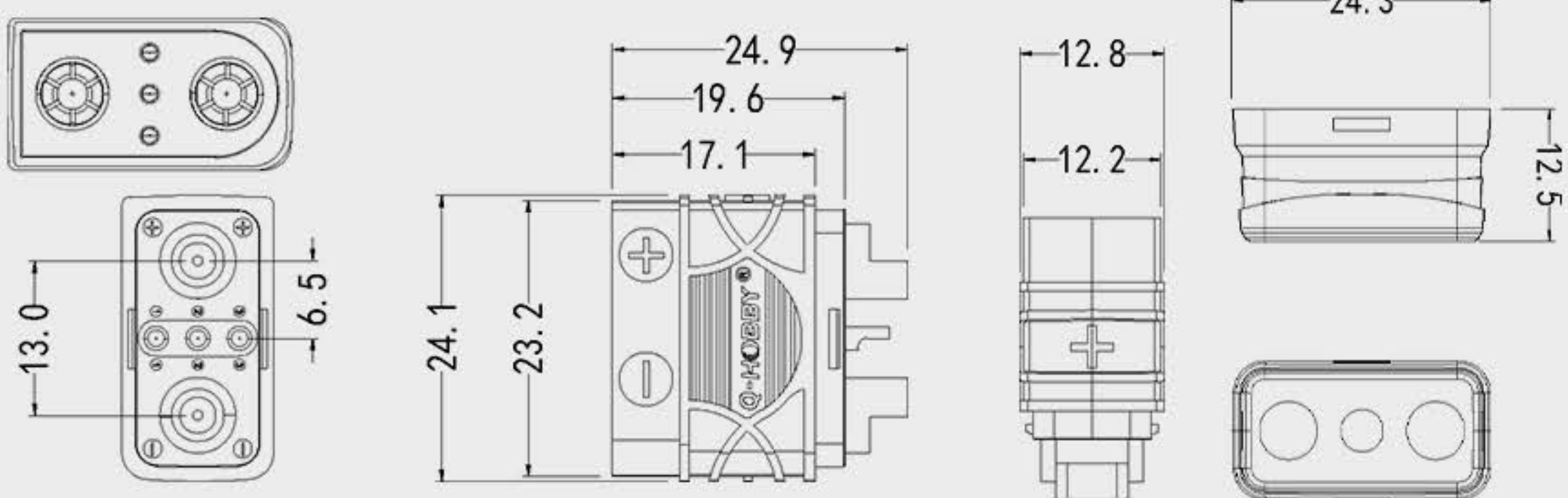


QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS5-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	60A
Max Current	90A
Rated Voltage	500V DC
Contact Resistance	0.4mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8-S-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black & Blue	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	110A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8-S-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black & Blue	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	110A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
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Shear strength	>790kg/cm²
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Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach

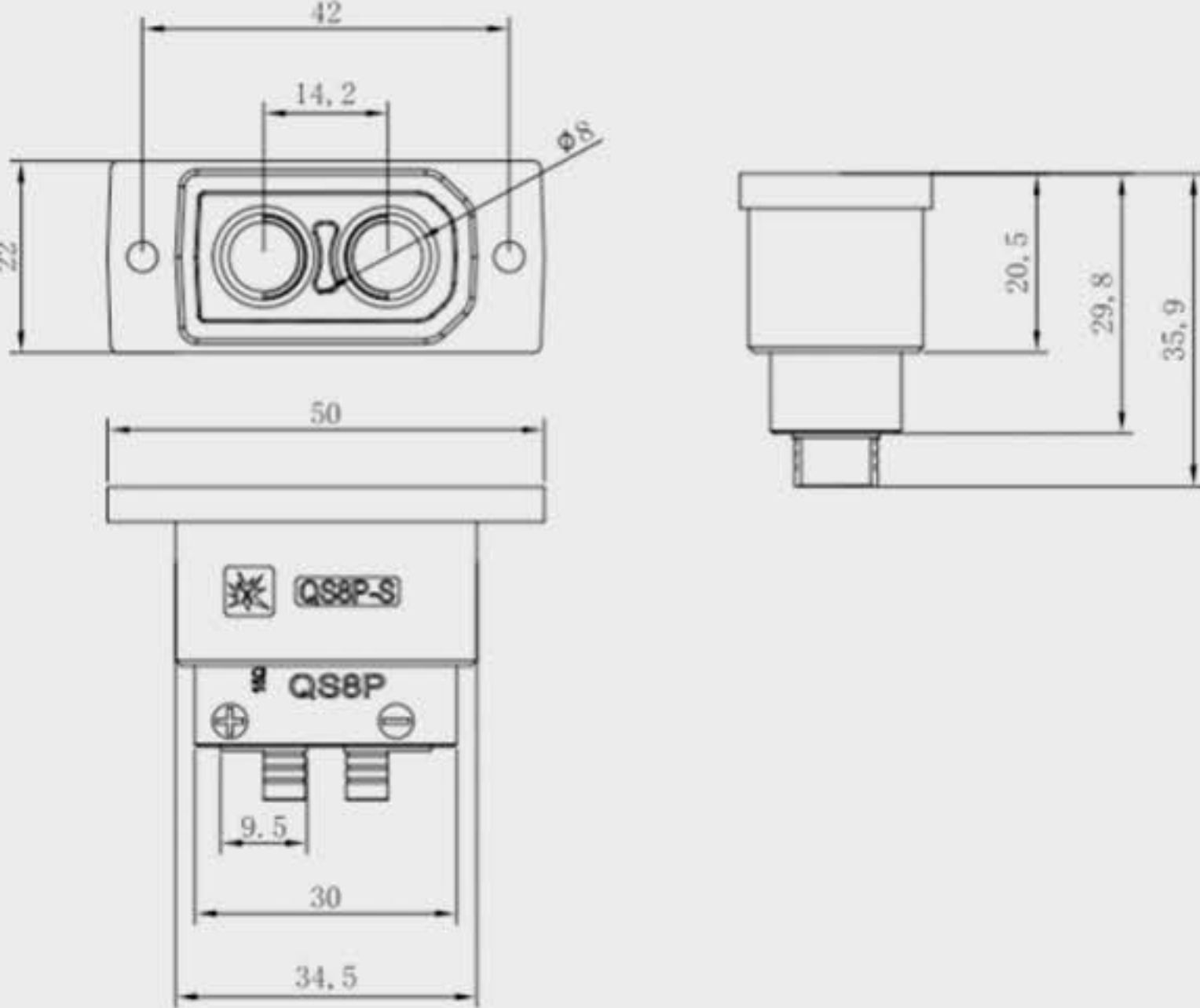


QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8P-S-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach

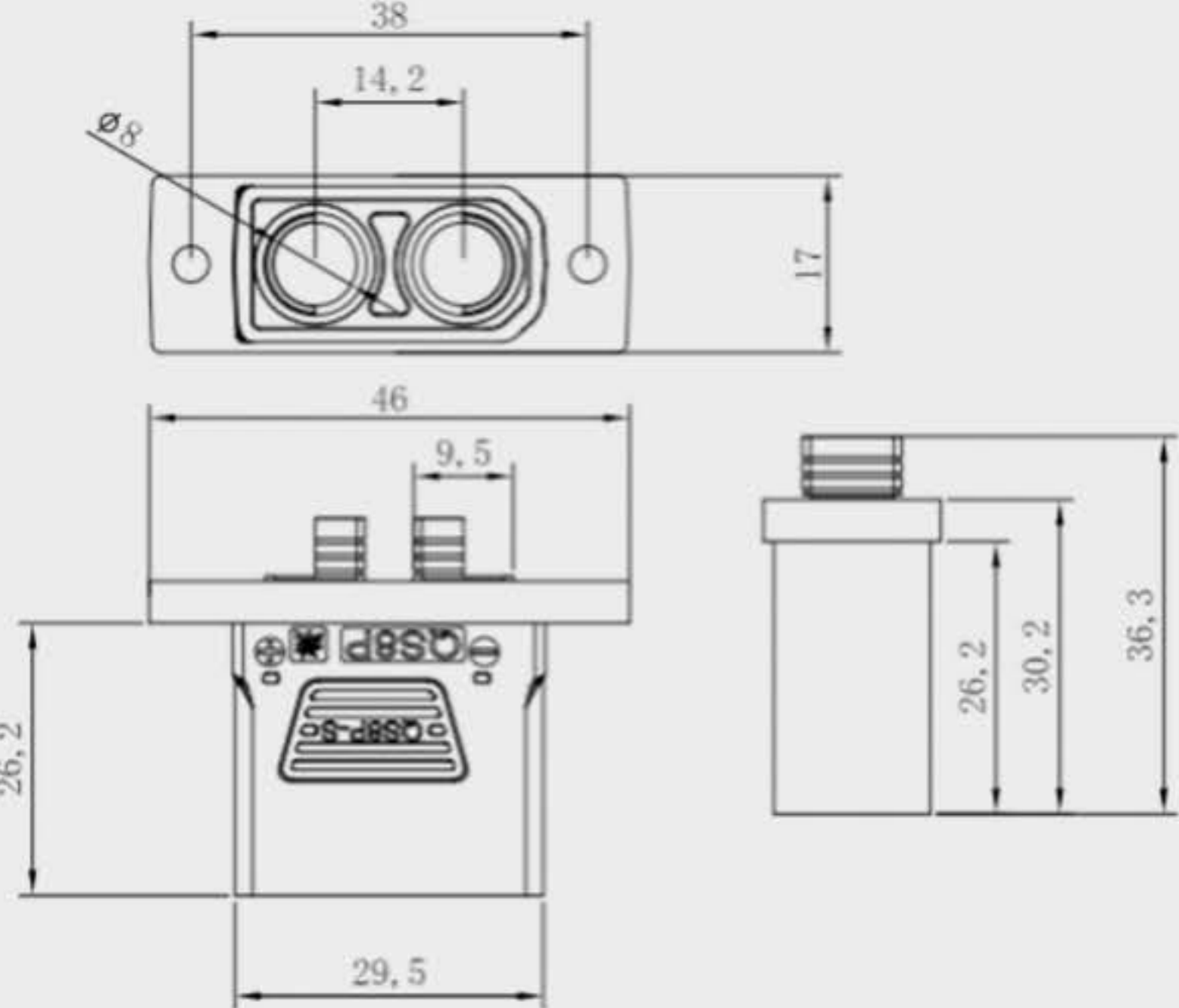


QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8P-S-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

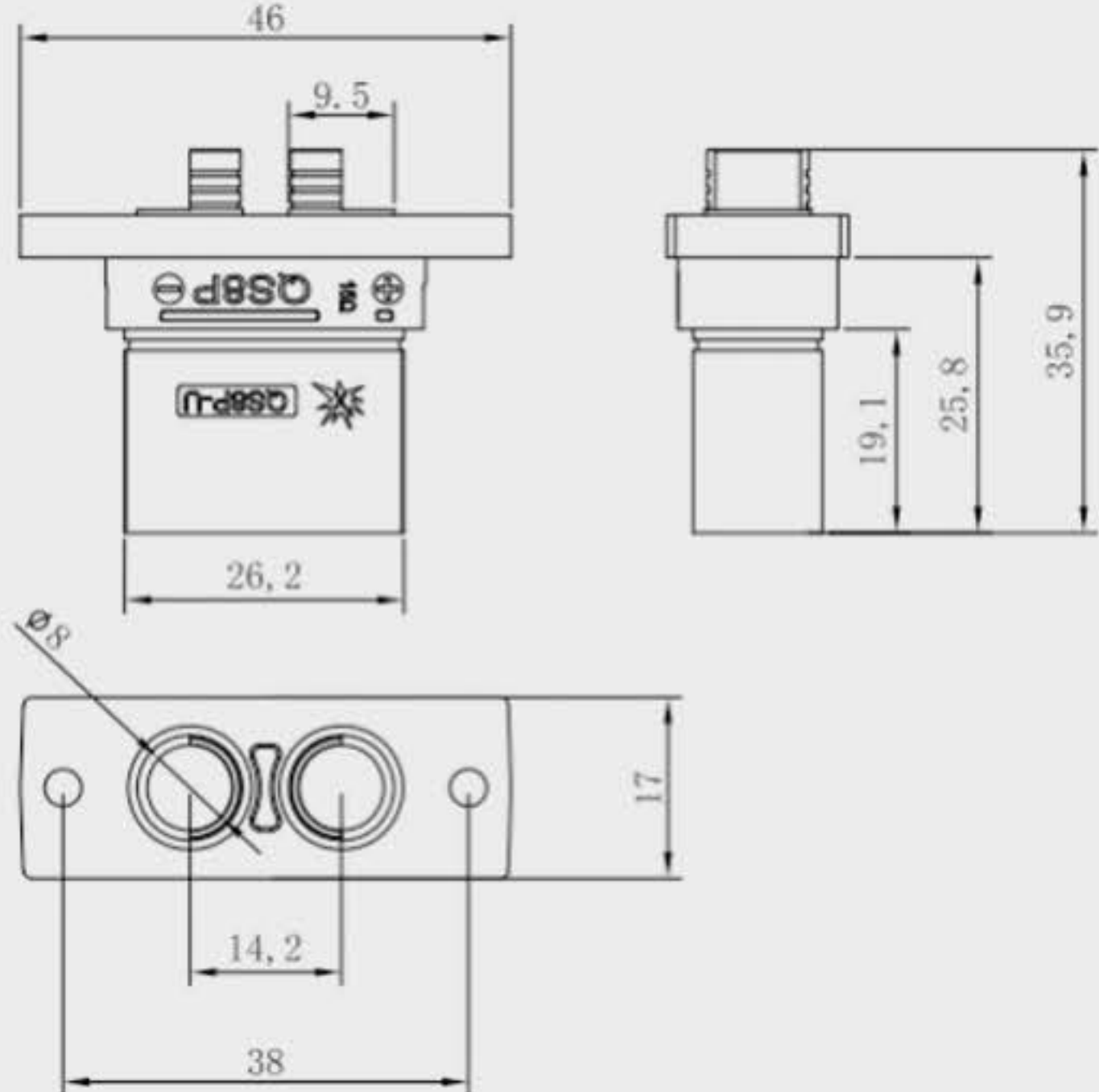
☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8P-U-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
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Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

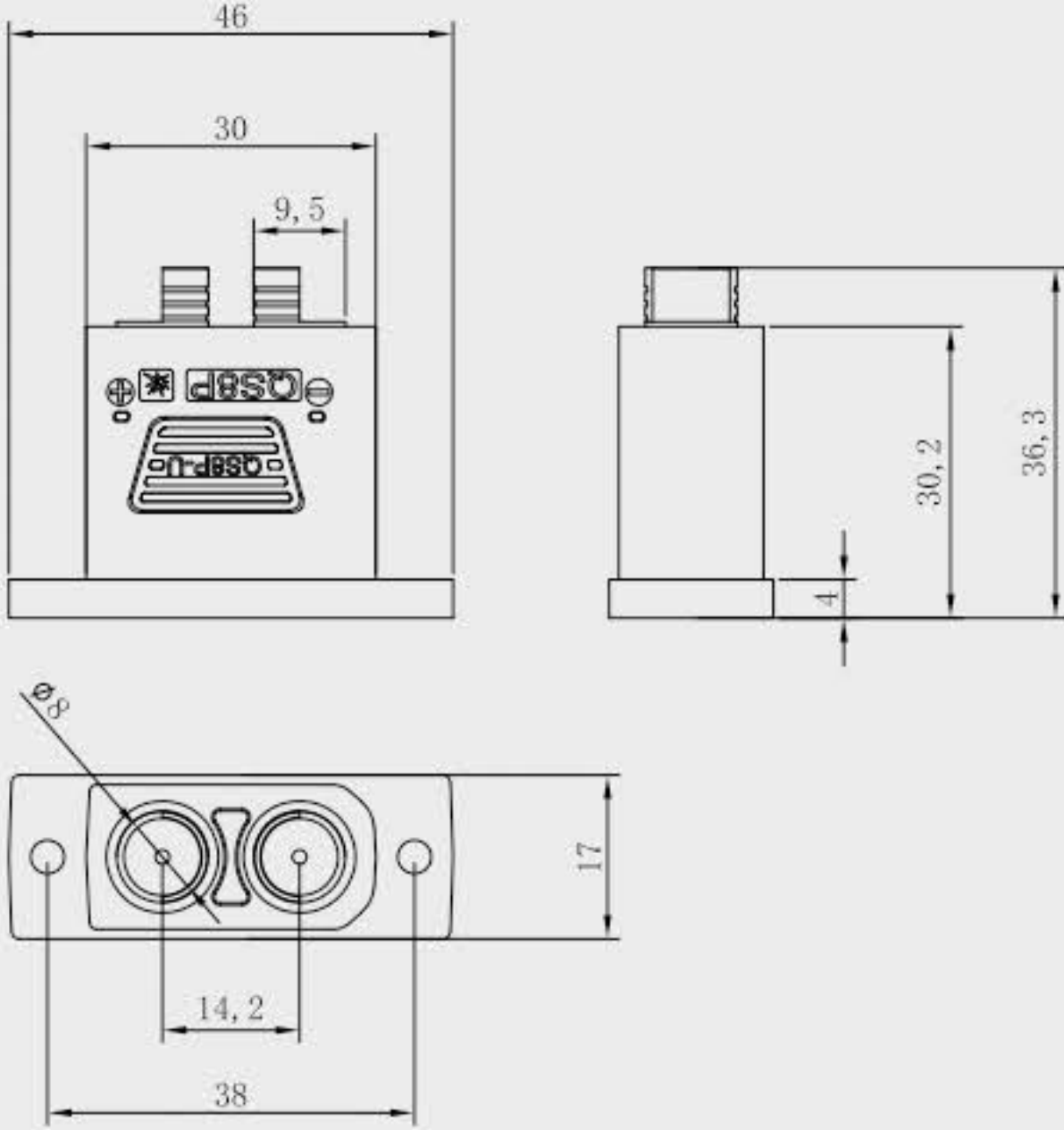
☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8P-U-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
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Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8P-L-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA		UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51m Ω Max
Insulation Resistance	500m Ω Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
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High temperature resistance	After 12 hours at 55°C $\pm$ 2°C, there is no abnormal performance
Low temperature resistance	-30°C $\pm$ 2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

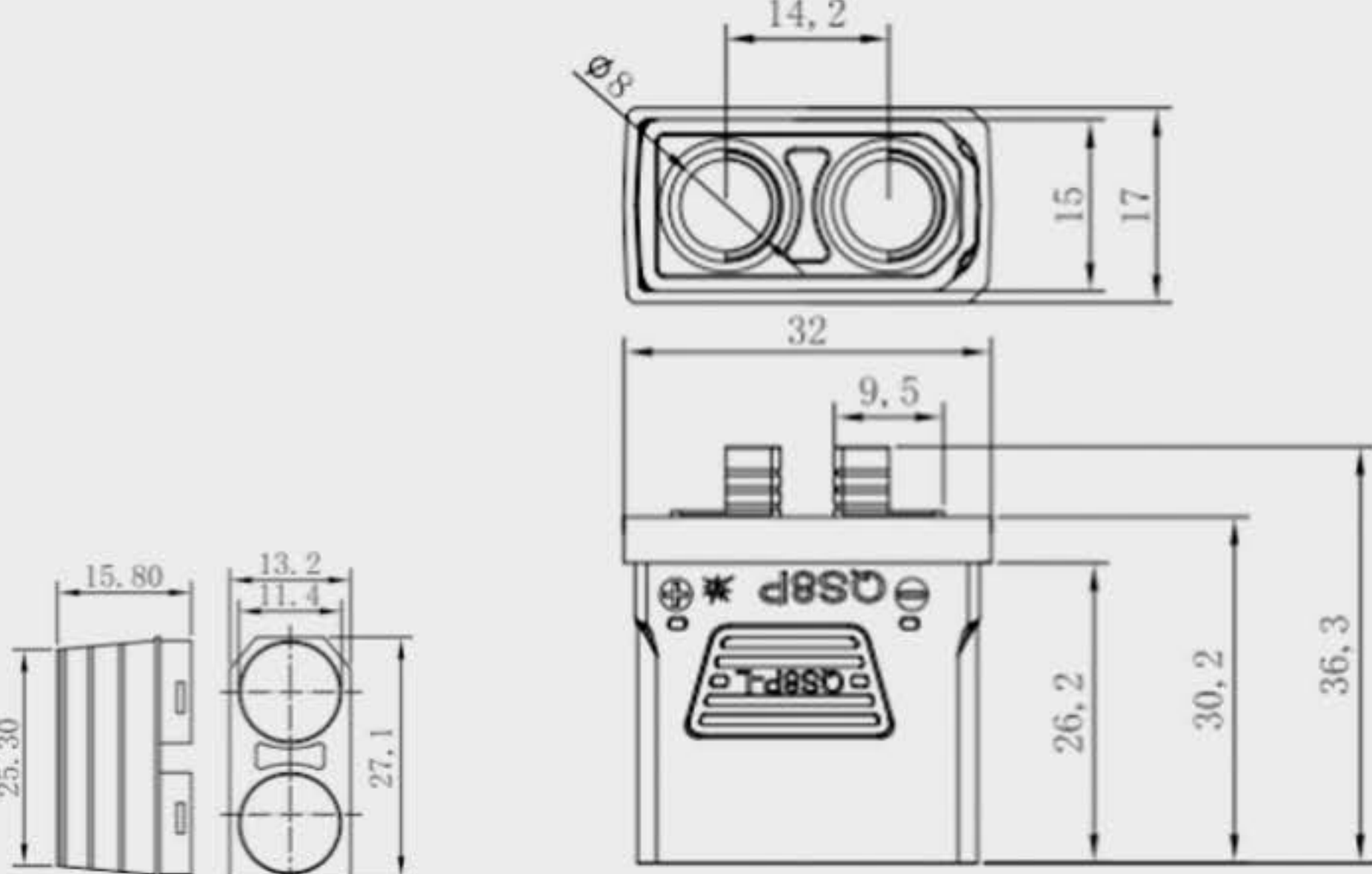
☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8P-L-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA		UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51m Ω Max
Insulation Resistance	500m Ω Min
Operating Temperature	-20°C+120°C
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach

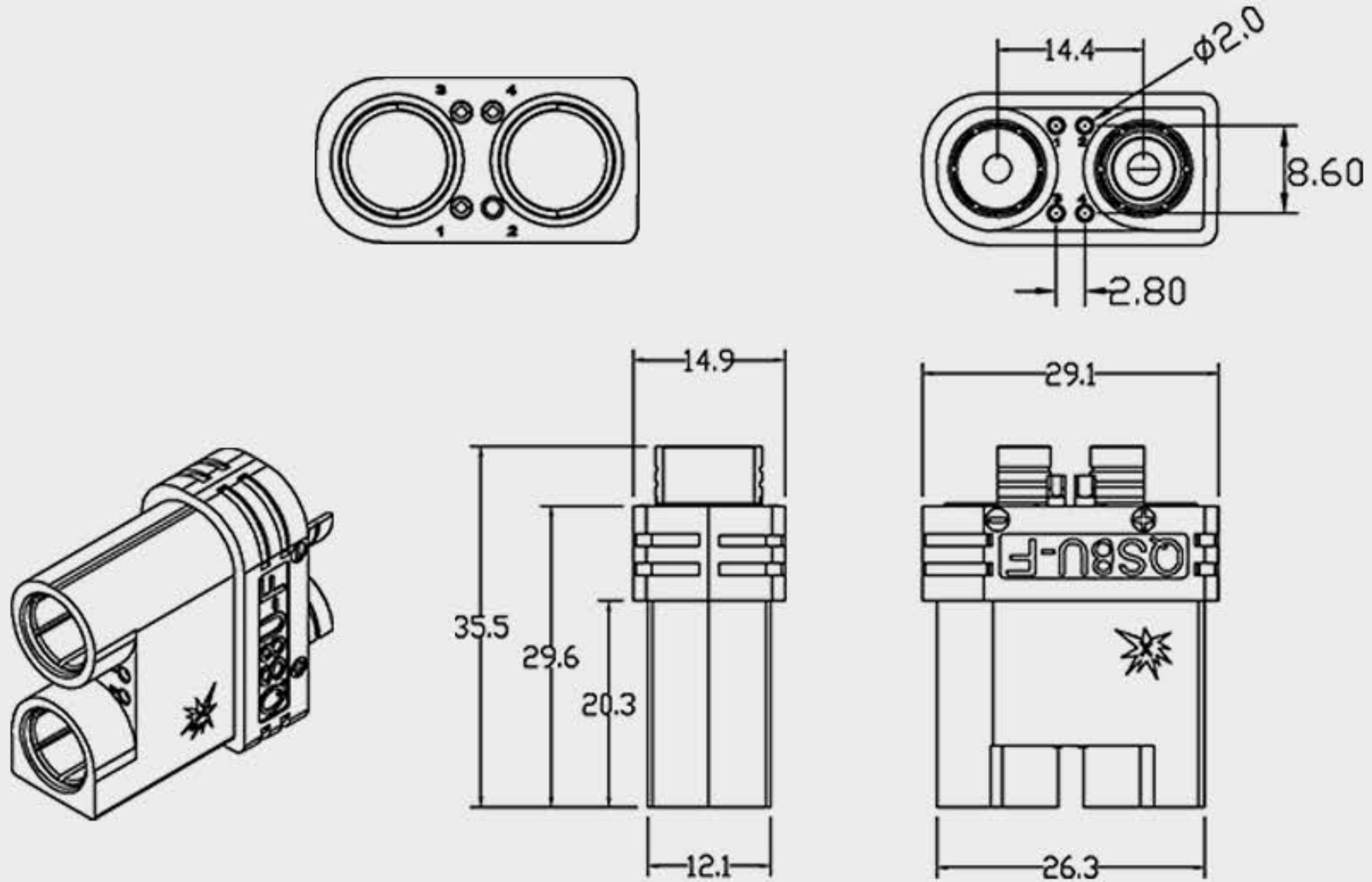


QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8U-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8U-F/M		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS8 Extended version(Female)		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Blue	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	130A
Max Current	180A
Rated Voltage	500V DC
Contact Resistance	0.51mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

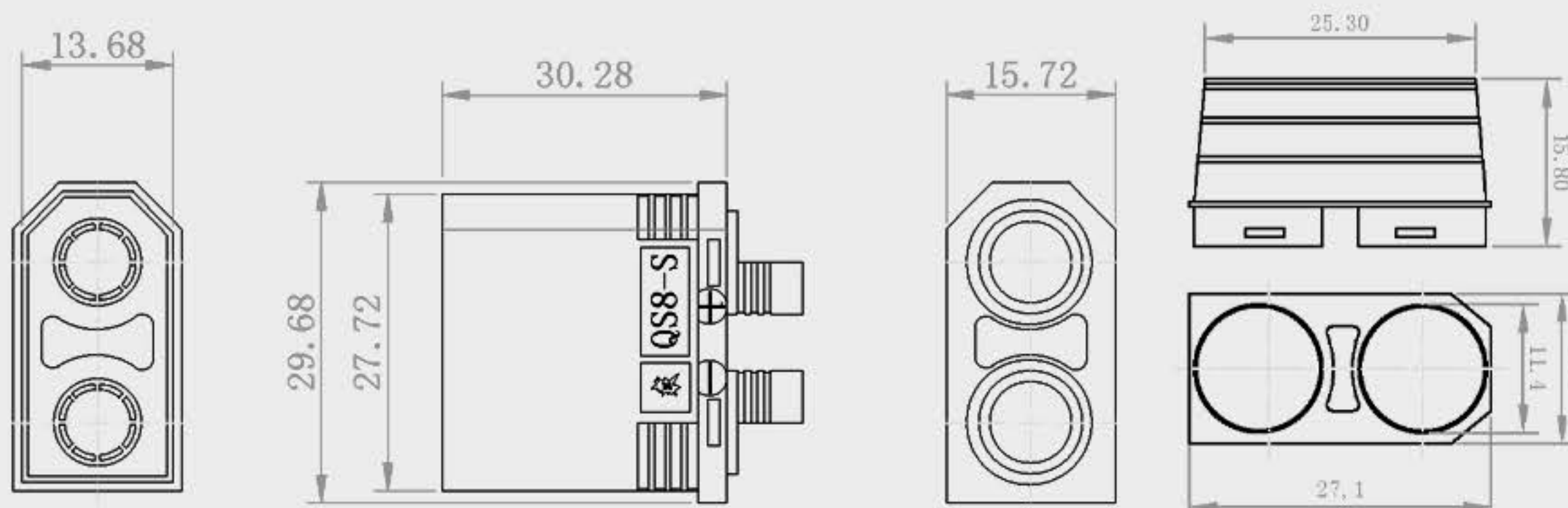
☐ CE

☒ RoHS2.0

☐ Reach

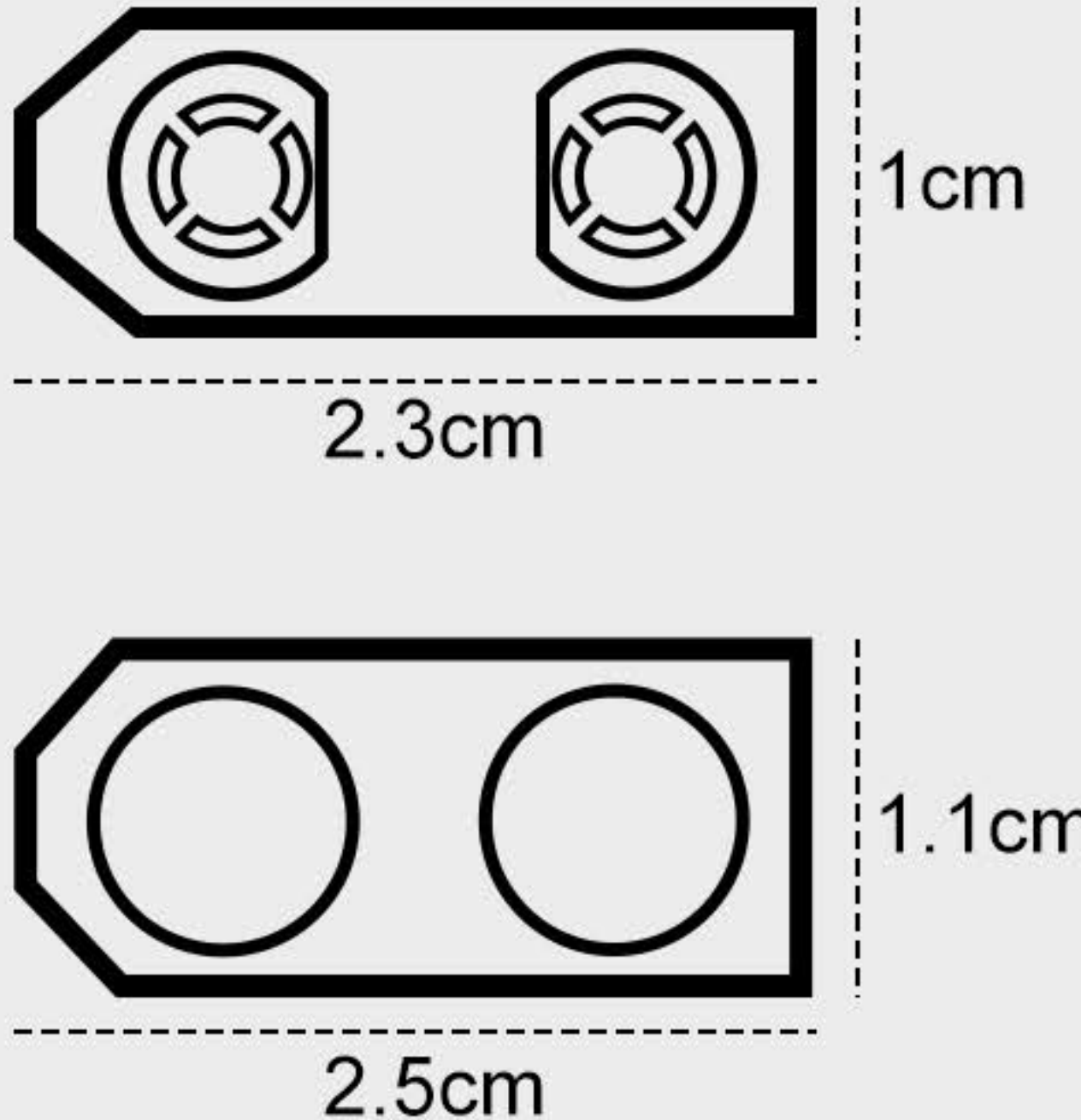


QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS8 Extended version(Male)			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Blue	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	130A		
Max Current	180A		
Rated Voltage	500V DC		
Contact Resistance	0.51mΩ Max		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C+120°C		
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
Mechanical Behavior	Characteristic		
Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
Shear strength	>790kg/cm²		
Environmental Performance	Characteristic		
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance		
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal		
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			

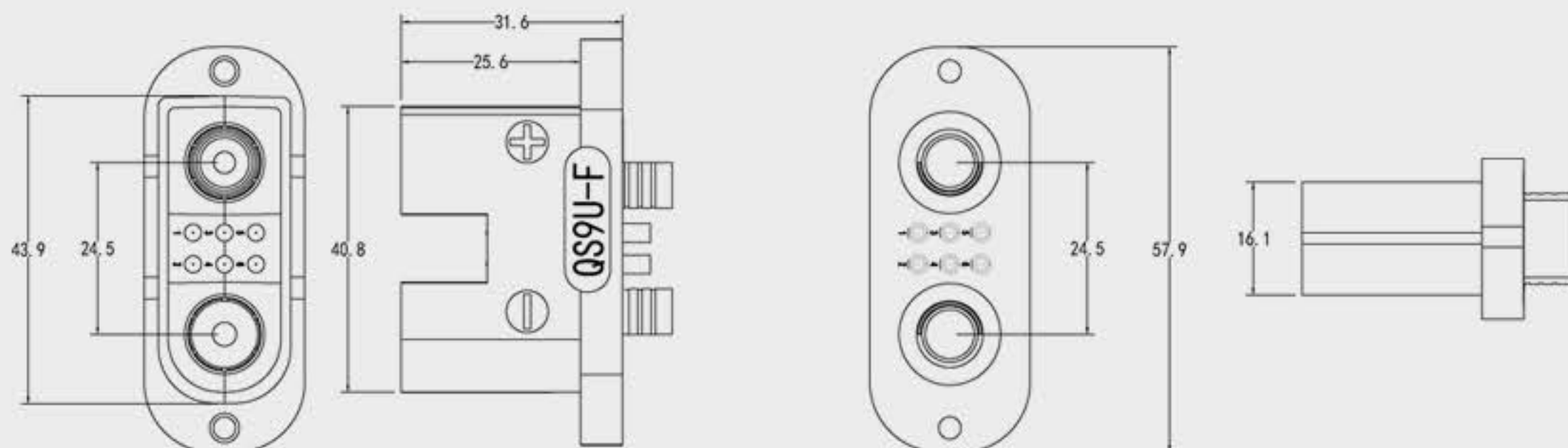


QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS8 to XT90			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Blue	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	110A		
Max Current	180A		
Rated Voltage	500V DC		
Contact Resistance	0.51mΩ Max		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C+120°C		
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
Mechanical Behavior	Characteristic		
Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
Shear strength	>790kg/cm²		
Environmental Performance	Characteristic		
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance		
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal		
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			

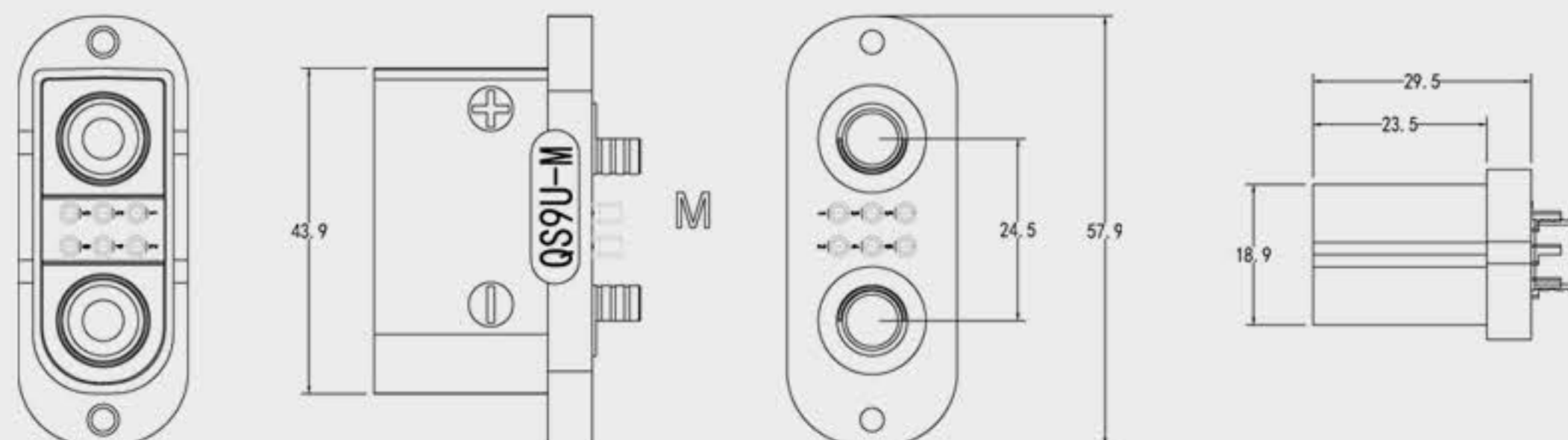


QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS9U-Female			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	160A		
Max Current	220A		
Rated Voltage	500V DC		
Contact Resistance	0.32mΩ		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C+120°C		
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
Mechanical Behavior	Characteristic		
Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
Shear strength	>790kg/cm²		
Environmental Performance	Characteristic		
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance		
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal		
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			



QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS9U-Male			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	160A		
Max Current	220A		
Rated Voltage	500V DC		
Contact Resistance	0.32mΩ		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C+120°C		
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
Mechanical Behavior	Characteristic		
Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
Shear strength	>790kg/cm²		
Environmental Performance	Characteristic		
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance		
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal		
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			

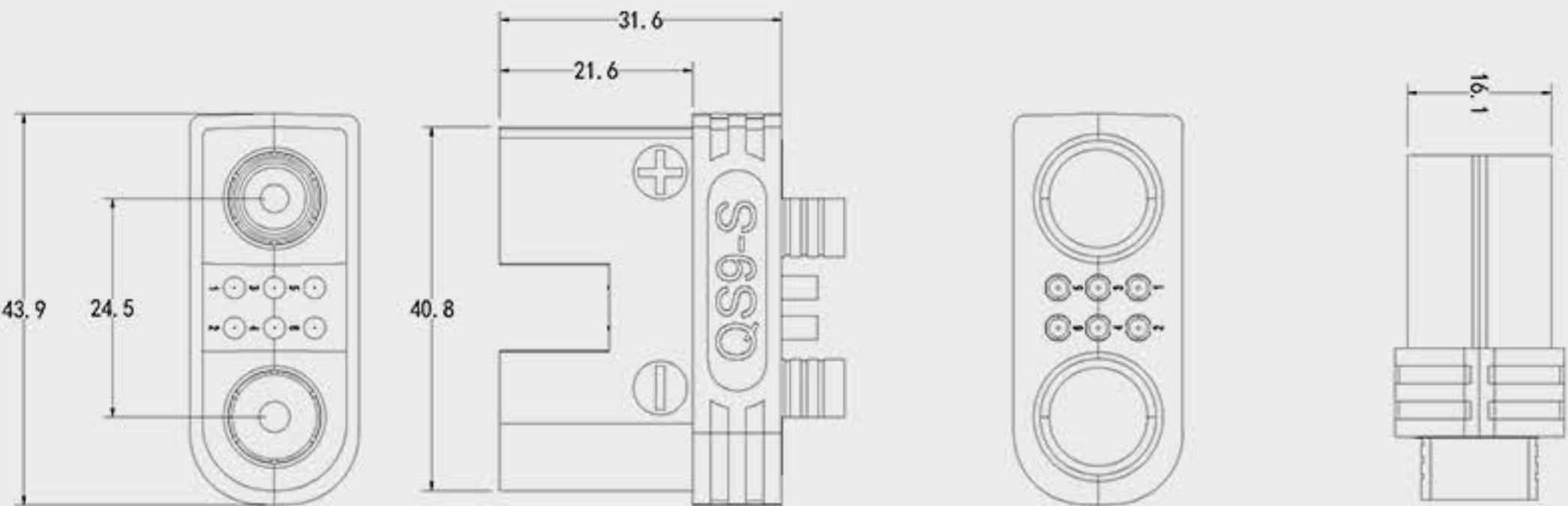


QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS9S-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

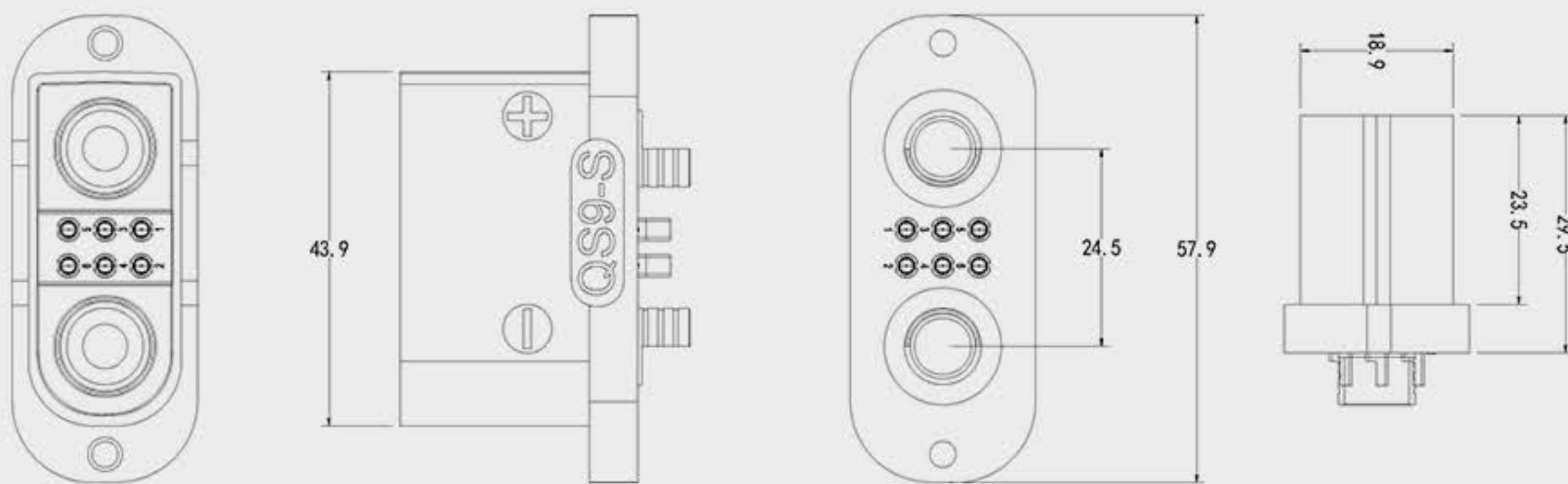
Electrical Properties	Characteristic
Rated Current	160A
Max Current	220A
Rated Voltage	500V DC
Contact Resistance	0.32mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS9S-Male			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	160A		
Max Current	220A		
Rated Voltage	500V DC		
Contact Resistance	0.32mΩ		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C+120°C		
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Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS9L-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	160A
Max Current	220A
Rated Voltage	500V DC
Contact Resistance	0.32mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS9L-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	160A
Max Current	220A
Rated Voltage	500V DC
Contact Resistance	0.32mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10S-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	180A
Max Current	240A
Rated Voltage	500V DC
Contact Resistance	0.3m Ω
Insulation Resistance	500m Ω Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm ²
Plug life	1000times
Shear strength	>790kg/cm ²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10S-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	180A
Max Current	240A
Rated Voltage	500V DC
Contact Resistance	0.3m Ω
Insulation Resistance	500m Ω Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm ²
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10P-U-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

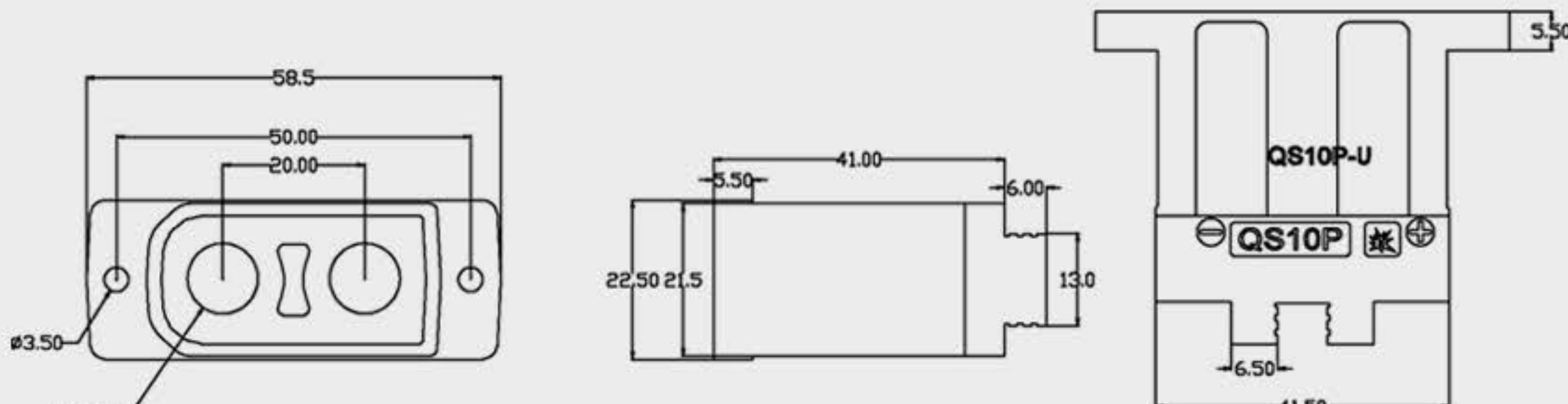
Electrical Properties	Characteristic
Rated Current	210A
Max Current	270A
Rated Voltage	500V DC
Contact Resistance	0.3mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
QS10P-U-Male			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	210A		
Max Current	270A		
Rated Voltage	500V DC		
Contact Resistance	0.3mΩ		
Insulation Resistance	500mΩ Min		
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Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
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High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10P-L-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	210A
Max Current	270A
Rated Voltage	500V DC
Contact Resistance	0.3m Ω
Insulation Resistance	500m Ω Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10P-L-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	210A
Max Current	270A
Rated Voltage	500V DC
Contact Resistance	0.3mΩ
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Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10P-S-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	210A
Max Current	270A
Rated Voltage	500V DC
Contact Resistance	0.3mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS10P-S-F/M		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	210A
Max Current	270A
Rated Voltage	500V DC
Contact Resistance	0.3mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS12-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	250A
Max Current	320A
Rated Voltage	500V DC
Contact Resistance	0.2m Ω
Insulation Resistance	500m Ω Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm ²
Plug life	1000times
Shear strength	>790kg/cm ²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach

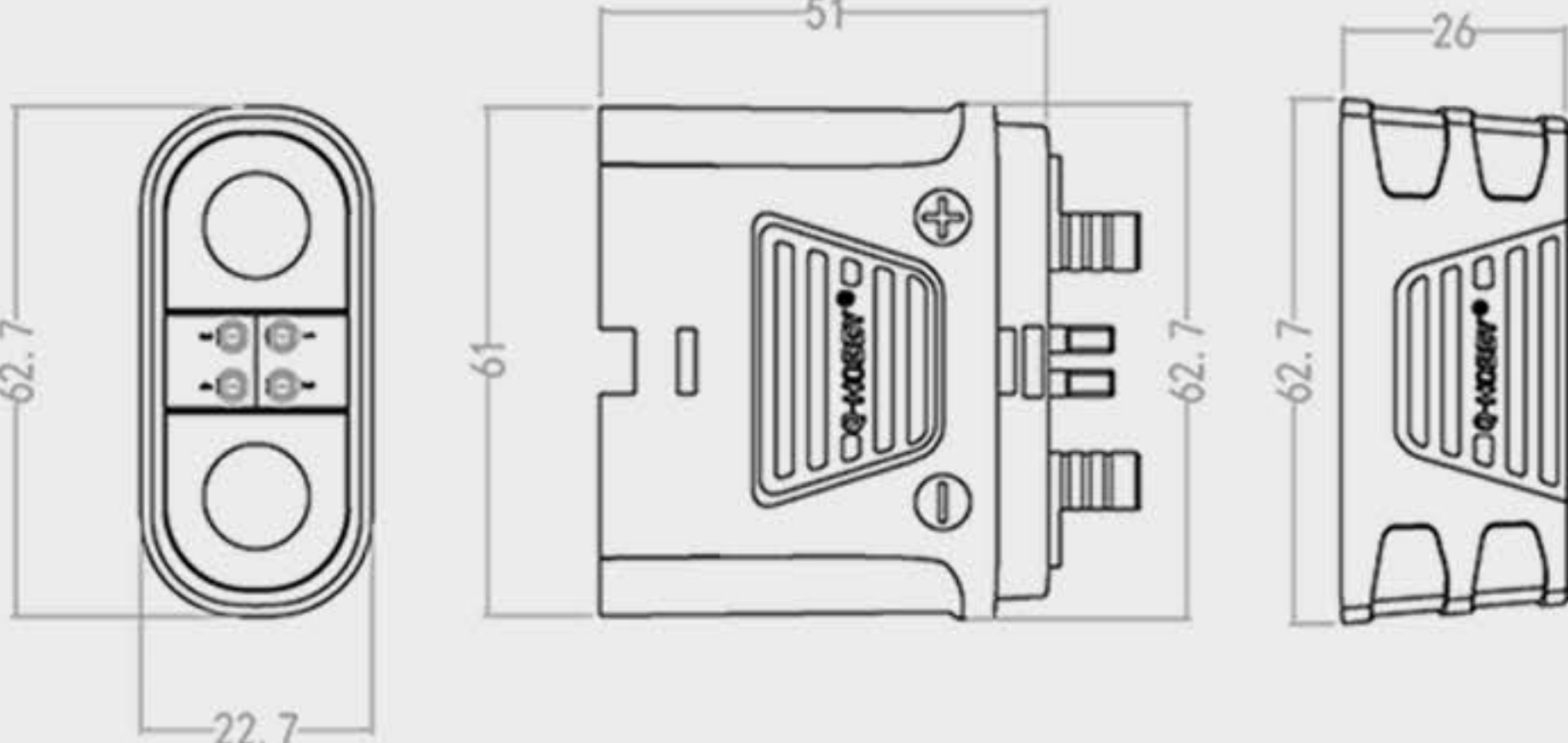


QS Connector Product Specification

1、Recommended Applications

☒lithium Battery ☒Tower new energy replacement ☒Controller ☒Drone ☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QS12-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	250A
Max Current	320A
Rated Voltage	500V DC
Contact Resistance	0.2mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
2+6		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	65A
Max Current	100A
Rated Voltage	500V DC
Contact Resistance	0.55mΩ Max
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C+120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

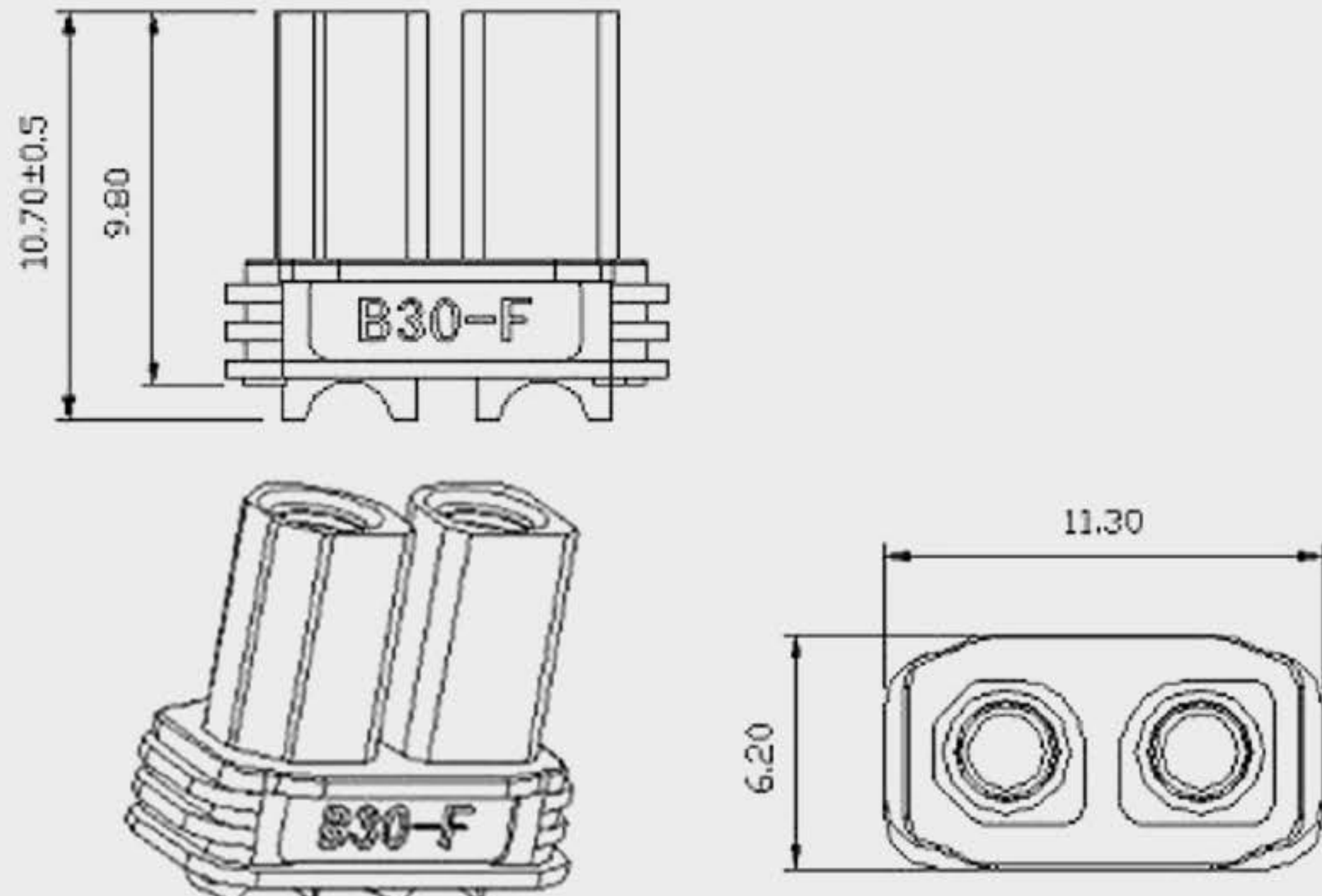
☐ CE

☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications			
☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other			
2、Product Diagram			
Model	Picture	Outline Drawing	
B30PB-Female			
3、Specification			
Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0
4、Feature table			
Electrical Properties	Characteristic		
Rated Current	15A		
Max Current	35A		
Rated Voltage	500V DC		
Contact Resistance	1.2mΩ		
Insulation Resistance	500mΩ Min		
Operating Temperature	-20°C~120°C		
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N		
Mechanical Behavior	Characteristic		
Rockwell hardness	>119R		
Tensile breaking strength	>700kg/cm²		
Plug life	1000times		
Shear strength	>790kg/cm²		
Environmental Performance	Characteristic		
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance		
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal		
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance		
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance		
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance		
5、Qualification Certificate			
☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach			

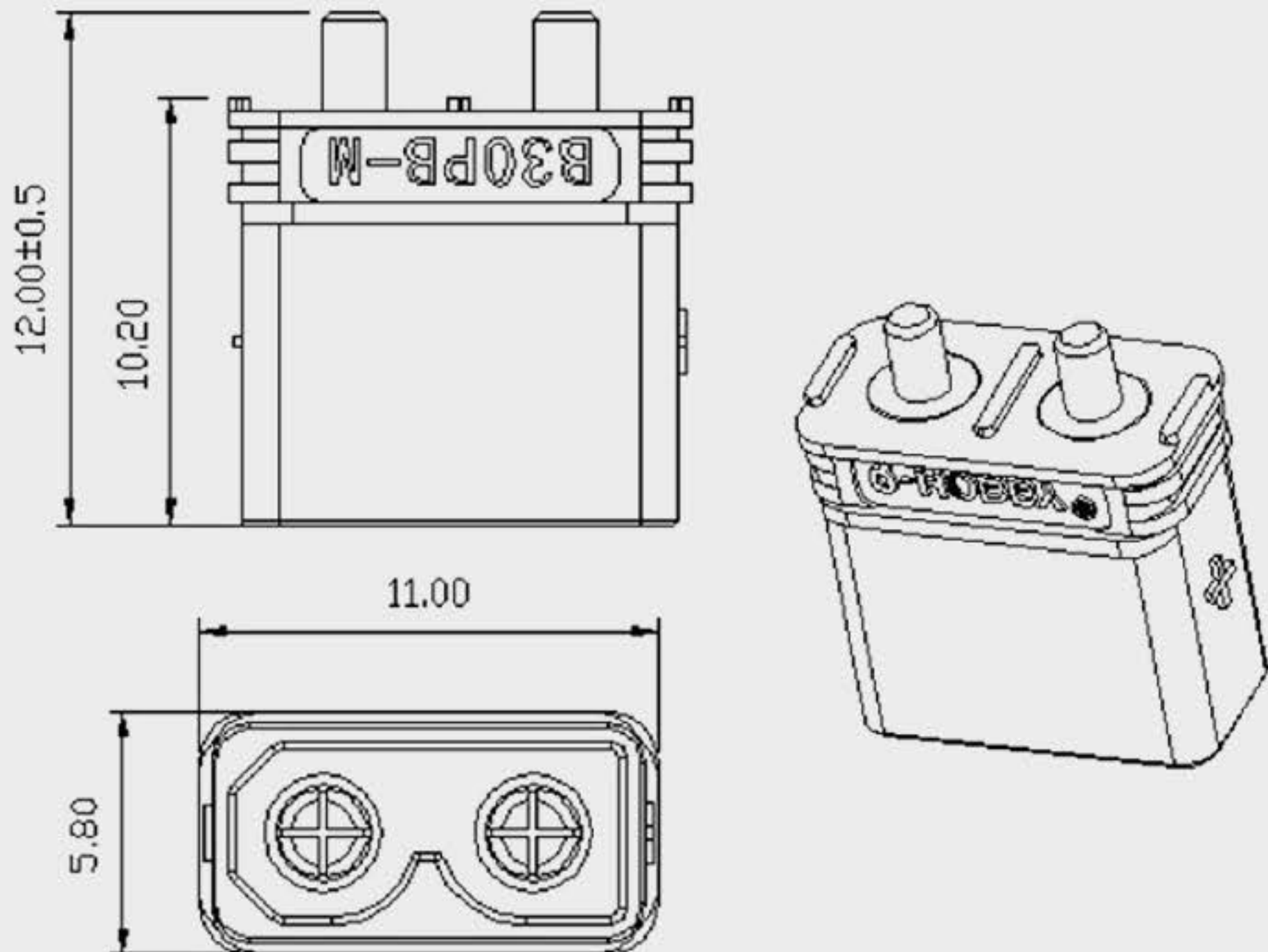


QS Connector Product Specification

1、Recommended Applications

☒ lithium Battery ☒ Tower new energy replacement ☒ Controller ☒ Drone ☒ Other

2、Product Diagram

Model	Picture	Outline Drawing
B30PB-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Black	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	15A
Max Current	35A
Rated Voltage	500V DC
Contact Resistance	1.2mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C~120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
Temperature resistance	Take 80°C±2°C, 12 hours → normal temperature for 4 hours → 30°C±2°C; 12 hours → normal temperature for 4 hours as a cycle, do 3 cycle tests, the performance is normal
High temperature resistance	After 12 hours at 55°C±2°C, there is no abnormal performance
Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL ☐ CE ☒ RoHS2.0 ☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QT90-Female		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Yellow	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	80A
Max Current	120A
Rated Voltage	500V DC
Contact Resistance	0.40mΩ
Insulation Resistance	500mΩ Min
Operating Temperature	-20°C~120°C
Insertion Force	During the service life, the insertion and extraction force of the discharge port is between 7N-30N
Mechanical Behavior	Characteristic
Rockwell hardness	>119R
Tensile breaking strength	>700kg/cm²
Plug life	1000times
Shear strength	>790kg/cm²
Environmental Performance	Characteristic
warm experiment	Temperature 55°C±2°C, humidity 90%-95% environment for 48 hours, room temperature for 12 hours, no abnormal performance
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
Salt spray resistance	Meet the NSS 48-hour requirement, with no abnormal performance

5、Qualification Certificate

☐ UL

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☒ RoHS2.0

☐ Reach



QS Connector Product Specification

1、Recommended Applications

☒lithium Battery

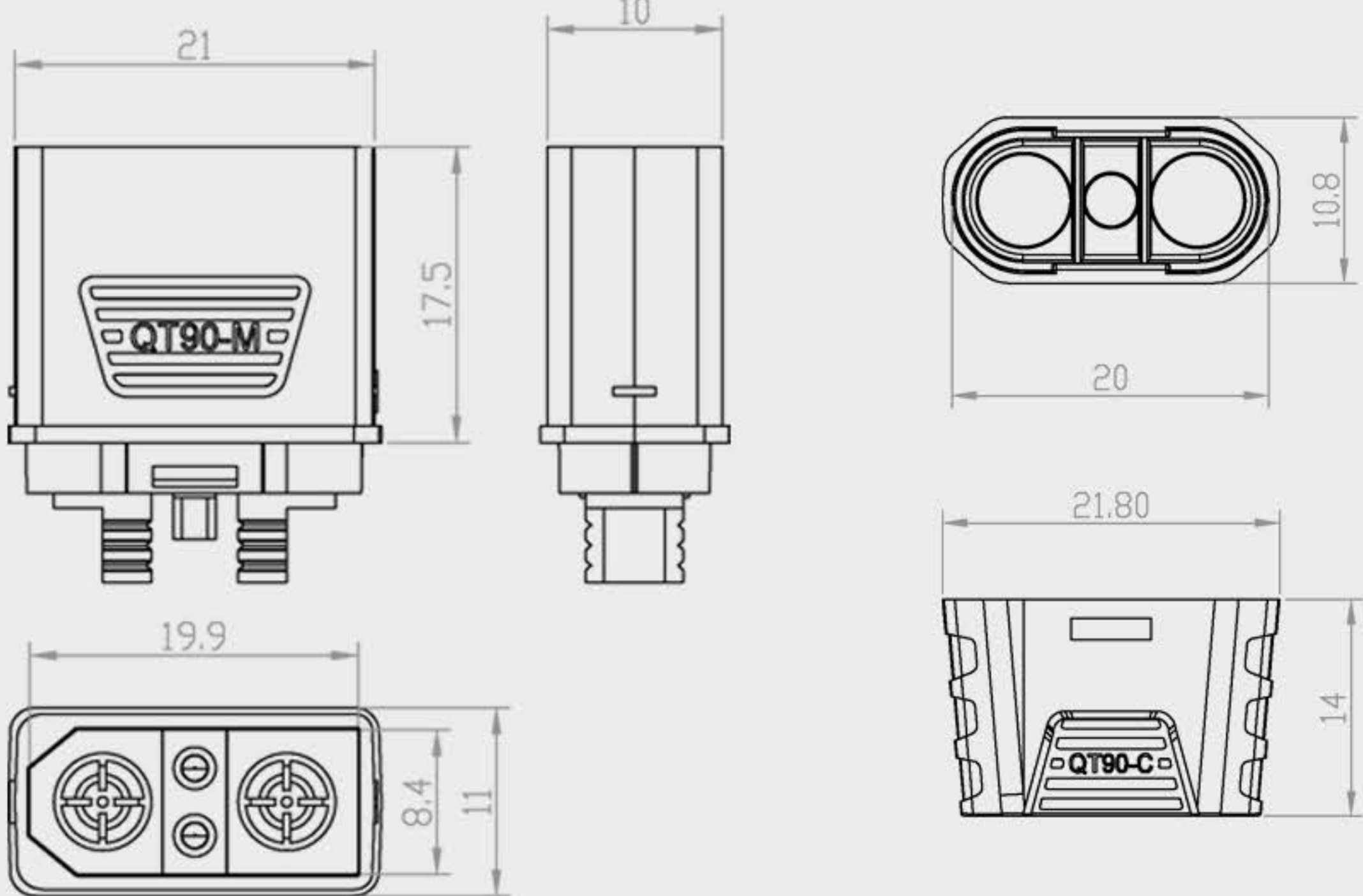
☒Tower new energy replacement

☒Controller

☒Drone

☒Other

2、Product Diagram

Model	Picture	Outline Drawing
QT90-Male		

3、Specification

Material	Specification	Plating	Coating Thickness
Hardware	Cu	Gold (Au)	1.5 μ
Material	Specification	Color	Flammability Rating
Plastic Case	PA	Yellow	UL94-V0

4、Feature table

Electrical Properties	Characteristic
Rated Current	80A
Max Current	120A
Rated Voltage	500V DC
Contact Resistance	0.40mΩ
Insulation Resistance	500mΩ Min
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Low temperature resistance	-30°C±2°C for 12 hours, no abnormal performance
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5、Qualification Certificate

☐ UL

☐ CE

☒ RoHS2.0

☐ Reach