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)	1.5μ

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	3000times
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