

产品规格书

Product Specification



AC03-PF/AC03-WM
AC03-PF/AC03-WM

承认签章 (Confirmation)					
快可承认 (QC Solar confirmation)			客户承认 (Customer confirmation)		
批准 Approved by	审核 Audited by	设计 Designed by	采购 Purchased by	品保 Quality Assured by	技术 Technical verified by

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1. 产品外观及设计性能参数 / Product appearance and technical parameters



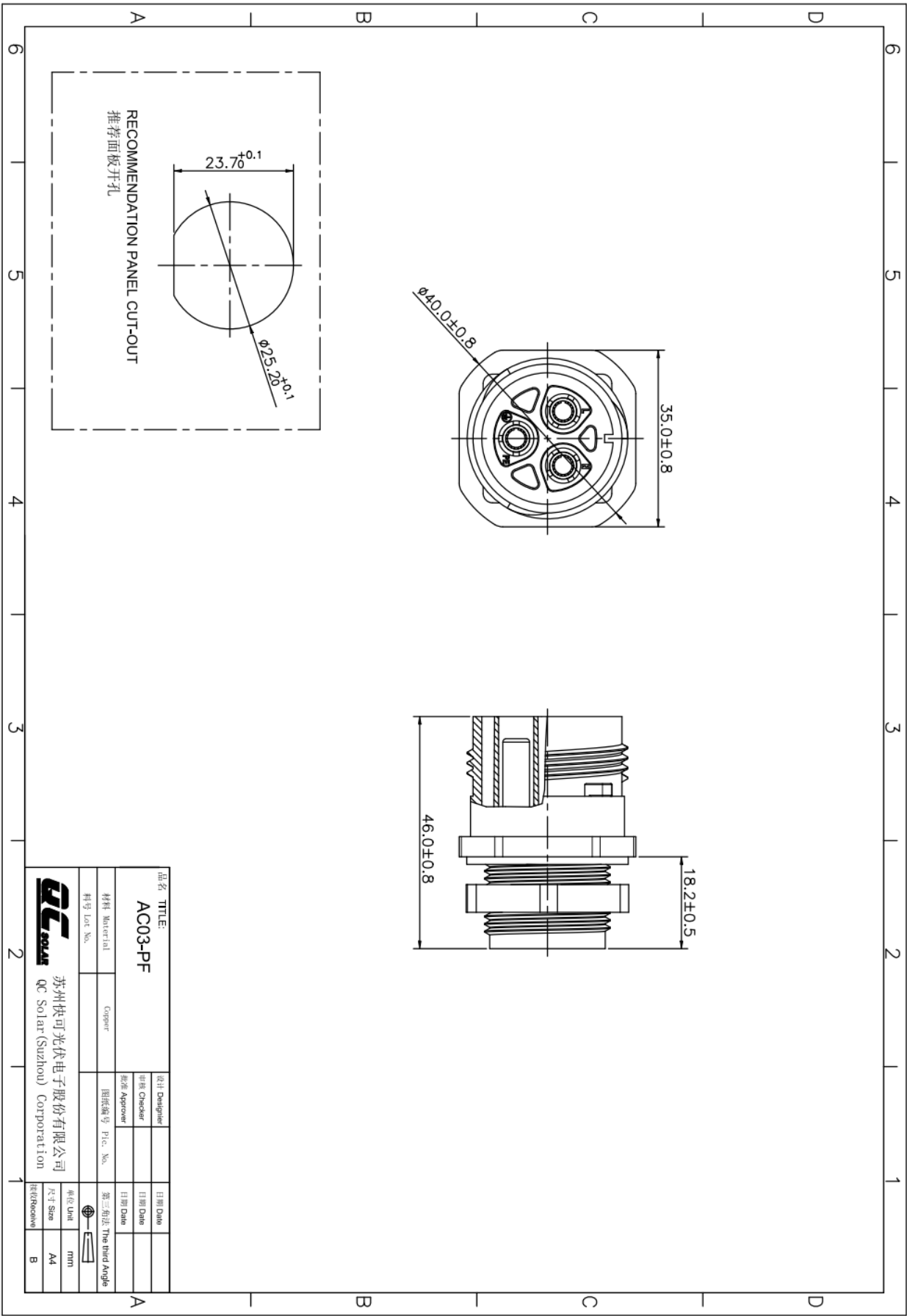
性能参数 design performance parameters

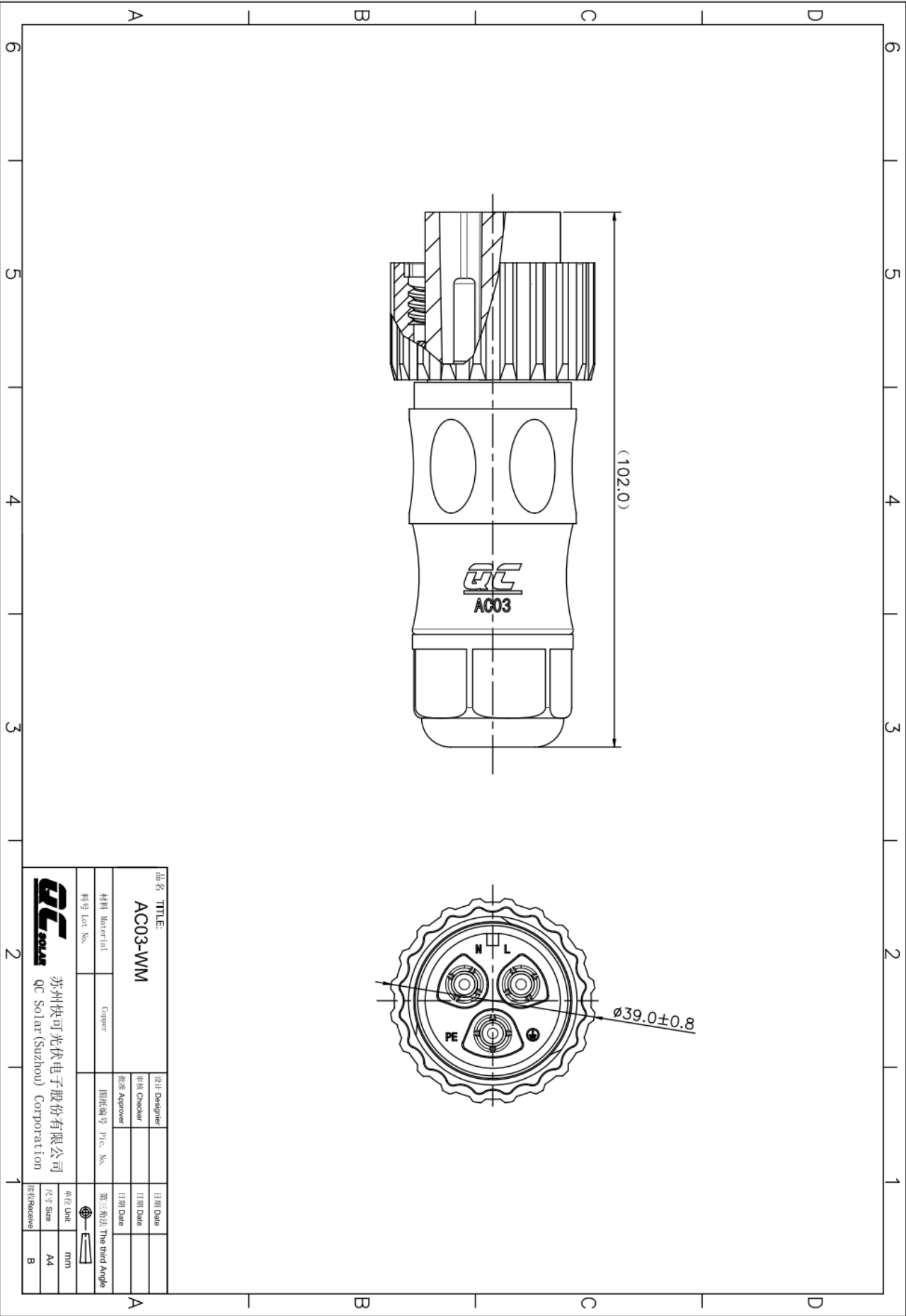
电极芯数 Electrode number	三芯 (L+N+PE)
额定电压 Rated voltage	300V AC
额定电流 Rated current	38A(3×6mm ²)、32A(3×4mm ²)、20A(3×2.5mm ²)
额定冲击电压 Dielectric withstand voltage	4000V
端子材质 Material of pin	铜合金 Copper alloy
外壳材质 House material	PC
外壳防火等级 Enclosure flame class	UL94-V0
污染等级 Pollution degree	II
防护等级 Protection Degree	IP68
接触电阻 Insulation resistance	≤ 3mΩ
环境温度 Applicable environment temperature	-40℃~ +85℃
适用线缆 Outer cable	规格 2.5-6mm ² , 线缆外径 8-16mm Specification 2.5-6mm ² , Diameter 8-16mm
产品标准 Standards	2 PfG 1915/03.15

2. 连接器BOM清单 / Connector BOM List

苏州快可光伏电子股份有限公司 QC Solar (Suzhou) Corporation					
产品名称 Product name	连接器 Connector	材料清单 Bill Of Materials		版 本 Version	A/0
产品型号 Product	AC03			张 数 Page	1
客 户 Customer	/			发行日期 Version Date	2022.03.09
序号 No.	名 称 Name	材 质 Material	生产厂商 Manufacturer	数 量 Quantity	备 注 Remark
1	公插本体 Male housing	PC	/	1 pcs	
2	母插本体 Female housing	PC	/	1 pcs	
3	套筒 Sleeve	PC	/	1 pcs	
4	连接帽 Connection cap	PC	/	1 pcs	
5	内爪 Screw cap	PA66	/	1 pcs	
6	螺母 Nut	PA66	/	1 pcs	
7	螺帽 Cable clamp	PA66	/	1 pcs	
8	插针 Metal plug	铜合金 Copper alloy	/	3 pcs	
9	插套 Metal socket	铜合金 Copper alloy	/	3 pcs	
10	垫片（公插端） Gasket (Male)	硅橡胶 Silicon rubber	/	1 pcs	
11	垫片（母插端） Gasket (Male Female)	硅橡胶 Silicon rubber	/	1 pcs	
12	O 型圈 O sealing ring	硅橡胶 Silicon rubber	/	1 pcs	
13	堵头 Sealing gasket	硅橡胶 Silicon rubber	/	1 pcs	
14	螺钉 Screw	不锈钢 Stainless steel	/	3 pcs	
以上原料符合欧盟 ROHS 要求 Above materials matched the ROHS rules					
制 表： Written By:		审 核： Checked by:		批 准： Approved By:	

3. 连接器图纸 / Drawing of connector





4.连接器证书 / Certificates of connector

Zertifikat		Certificate			
Zertifikat Nr. / Certificate No.	R 50570285	Blatt / Sheet	0001		
Ihr Zeichen / Client Reference	F.G.Y.	Unser Zeichen / Our Reference	01-ZQI-CN22FZTM 001	Ausstellungsdatum / Date of Issue	02.03.2023 (day/month/year)
Genehmigungsinhaber / License Holder		Fertigungsstätte / Manufacturing Plant			
QC Solar (Suzhou) Corporation No. 31, Xinfu Road, SIP Suzhou 215123 Jiangsu P.R. China		QC Solar (Suzhou) Corporation No. 31, Xinfu Road, SIP Suzhou 215123 Jiangsu P.R. China			
		Geprüft nach / Tested acc. to 2 PFG 1915/03.15			
Zertifiziertes Produkt (Geräteidentifikation)		Lizenzentgelte - Einheit			
Certified Product (Product Identification)		License Fee - Unit			
PV Komponente (elektrisch) für BOS (Connector for use in photovoltaic-systems with AC supply)		8			
Type Designation	AC03-PF-xy/AC03-WM-xy (QC) (x=20A or 32A or 38A)				
Rated Voltage	300VAC				
Rated Current	20A for (x=20A); 32A for (x=32A); 38A for (x=38A)				
Ambient Temperature	-40°C to +85°C				
Upper Limit Temperature	105°C				
Cross Section Range	3x2,5mm ² for 20A; 3x4,0mm ² for 32A; 3x6,0mm ² for 38A				
Protection Degree	IP65/IP68 (1m, 1h)				
Remark: The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.					
ANLAGE (Appendix): 1.0					
Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht. This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.					
TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg http://www.tuv.com/safety E-mail: markcheck@tuv.com Fax: +49 221 806-3935				Zertifizierungsstelle  Paulus Hou	

快速可靠, 成就客户!

Quick and reliable, QC Solar devotes to satisfying customers.



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QC Solar (Suzhou) Corporation

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