



Ningbo Pntech New Energy Co., Ltd.

Factory inspection report

Product name :	MC4 compatible connectors	Report No :	PN20220920-0004
		Quantity :	850 Pairs
Model type :	30A/1000V DC	Specification :	PV005 (1500V-F)
Manufacturer standard :	IEC62852:2014/EN 62852:2015	Inspection method :	Sampling inspection

No.	Test items	Standard requirement	Test result	Inspector judgment
1	Pin contact resistance	$\leq 0.5 \text{ m}\Omega$	Passed	Qualified
2	Pin circlip	The circlip is installed in place, no missing installation	Passed	Qualified
3	Pin appearance	Good tin plating on the surface, no damage or deformation	Passed	Qualified
4	Connector self-locking	$\geq 200 \text{ N}$	Passed	Qualified
5	Connector withstand voltage	DC6.5KV, no breakdown under pressure for 60s	Passed	Qualified
6	Connector assembly	Smooth insertion and removal, no block	Passed	Qualified
7	Waterproof level	IP67	Passed	Qualified
8	Positive barb toughness	Bending 90° without breaking	Passed	Qualified
9	Exterior	The appearance is flat, no mechanical damage, no distortion, no O-rings falling off and deformation, and the positive and negative electrodes are clearly marked	Passed	Qualified
10	Package	The specifications, models and quantities are clearly marked	Passed	Qualified

The tested items meet the requirements of IEC62852:2014/EN 62852:2015 and of the agreed specification, and are allowed for shipment.

Manufacturer (signature, seal):



Review/date:2022-09-20

