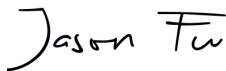


# Test Verification of Conformity

Verification Number: 191029098GZU -VOC001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	SHENZHEN CUMARK NEW TECHNOLOGY CO., LTD Room 706, Cangsong Building(North), TaiRan Science Park, FuTian District, ShenZhen, GuanDong, China
Product Description:	Power driving controller with STO function
Ratings & Principle Characteristics:	STO function: SIL/SILCL 2 PLd CAT.3
Models/Type References:	See Appendix: Test Verification of Conformity
Brand Names:	
Specification<s>/Standards:	IEC 61800-5-2: 2016 EN 61800-5-2:2017 IEC 61508-1:2010 EN 61508-1:2010 IEC 61508-2: 2010 EN 61508-2: 2010 IEC 62061: 2005+A1+A2 EN 62061:2005/A2 2015 EN ISO 13849-1:2015 ISO 13849-1:2015
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	29 Oct 2019 – 11 Dec 2020
Test Report Number(s):	191029098GZU-001
Additional information in Appendix.	



## Signature

**Name: Jason Fu**

**Position: Supervisor**

**Date: 11 December 2020**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 191029098GZU-VOC001

Models/Type References:

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	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
1PH 220V	4.5	0.75	2.5	0.37	ES350-F0-0K4G/0K7P-1B
	7	1.5	4.5	0.75	ES350-F0-0K7G/1K5P-1B
	8.5	2.2	7	1.5	ES350-F0-1K5G/2K2P-1B
	\	\	9	2.2	ES350-F0-2K2G-1B
	10	2.2	7	1.5	ES850-01-1K5G/2K2P-1B
	-	-	10	2.2	ES850-01-2K2G-1B
	4.5	0.75	2.5	0.37	ES580-01-0K4G/0K7P-1B
	7	1.5	4.5	0.75	ES580-01-0K7G/1K5P-1B
	10	2.2	7	1.5	ES580-01-1K5G/2K2P-1B
	-	-	10	2.2	ES580-01-2K2G-1B

*Jason Fu*

**Signature**

**Name: Jason Fu**  
**Position: Supervisor**  
**Date: 11 December 2020**

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Models/Type References:

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	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
3PH 380V	5	1.5	2.5	0.75	ES350-F0-0K7G/1K5P-3B
	6	2.2	4	1.5	ES350-F0-1K5G/2K2P-3B
	9	4	5	2.2	ES350-F0-2K2G/4K0P-3B
	-	-	8	4	ES350-F0-4K0G-3B
	5	1.5	2.5	0.75	ES850-01-0K7G/1K5P-3B
	6	2.2	4.2	1.5	ES850-01-1K5G/2K2P-3B
	9.8	4	5.6	2.2	ES850-01-2K2G/4K0P-3B
	13.5	5.5	10.5	4	ES850-01-4K0G/5K5P-3B
	17.5	7.5	14.5	5.5	ES850-01-5K5G/7K5P-3B
	25	11	17.6	7.5	ES850-02-7K5G/011P-3B

*Jason Fu*

**Signature**

**Name: Jason Fu**

**Position: Supervisor**

**Date: 11 December 2020**

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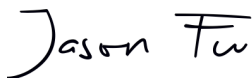
## APPENDIX: Test Verification of Conformity

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Models/Type References:

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	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
	-	-	25	11	ES850-02-011G-3B
	31	15	25	11	ES850-02A-011G/15P-3B
	38	18.5	32	15	ES850-02A-015G/018P-3B
	38.6	18.5	35	15	ES850-03-015G/018P-3B
	46	22	41	18.5	ES850-03-018G/022P-3B
3PH 380V	61	30	48	22	ES850-03-022G/030P-3B
	75	37	66	30	ES850-04-030G/037P-3/B
	91	45	79	37	ES850-04-037G/045P-3/B
	115	55	94	45	ES850-04-045G/055P-3/B
	155	75	116	55	ES850-05-055G/075P-3/B
	178	90	160	75	ES850-05-075G/090P-3/B
	215	110	179	90	ES850-05-090G/110P-3/B



Signature

**Name: Jason Fu**

**Position: Supervisor**

**Date: 11 December 2020**

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Models/Type References:

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	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
3PH 380V	261	132	215	110	ES850-06-110G/132P-3
	310	160	259	132	ES850-06-132G/160P-3
	360	200	314	160	ES850-07-160G/200P-3
	427	220	387	200	ES850-07-200G/220P-3
	450	250	427	220	ES850-07-220G/250P-3
	525	280	481	250	ES850-08-250G/280P-3
	600	315	550	280	ES850-08-280G/315P-3
	660	355	616	315	ES850-08-315G/355P-3
	730	400	650	355	ES850-09-355G/400P-3
	810	450	720	400	ES850-09-400G/450P-3
	870	500	810	450	ES850-09-450G/500P-3
	980	560	870	500	ES850-09-500G/560P-3
	1060	630	980	560	ES850-09-560G/630P-3

*Jason Fu*

### Signature

**Name: Jason Fu**

**Position: Supervisor**

**Date: 11 December 2020**

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## APPENDIX: Test Verification of Conformity

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Models/Type References:

	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
3PH 380V	5	1.5	2.5	0.75	ES580-01-0K7G/1K5P-3B
	6	2.2	4.2	1.5	ES580-01-1K5G/2K2P-3B
	9.8	4	5.6	2.2	ES580-01-2K2G/4K0P-3B
	13.5	5.5	10.5	4	ES580-01-4K0G/5K5P-3B
	17.5	7.5	14.5	5.5	ES580-01-5K5G/7K5P-3B
	25	11	17.6	7.5	ES580-02-7K5G/011P-3B

*Jason Fu*

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**Position: Supervisor**  
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Models/Type References:

	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
3PH 380V	-	-	25	11	ES580-02-011G-3B
	31	15	25	11	ES580-02A-011G/15P-3B
	38	18.5	32	15	ES580-02A-015G/018P-3B
	38.6	18.5	35	15	ES580-03-015G/018P-3B
	46	22	41	18.5	ES580-03-018G/022P-3B
	61	30	48	22	ES580-03-022G/030P-3B
	75	37	66	30	ES580-04-030G/037P-3/B
	91	45	79	37	ES580-04-037G/045P-3/B
	115	55	94	45	ES580-04-045G/055P-3/B
	155	75	116	55	ES580-05-055G/075P-3/B
	178	90	160	75	ES580-05-075G/090P-3/B

*Jason Fu*

**Signature**

**Name: Jason Fu**

**Position: Supervisor**

**Date: 11 December 2020**

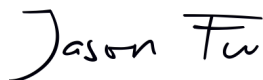
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Models/Type References:

	Light load current (A)	Light load power(KW)	Heavy load current (A)	Heavy load power (KW)	Model No.
3PH 380V	215	110	179	90	ES580-05-090G/110P-3/B
	261	132	215	110	ES580-06-110G/132P-3
	310	160	259	132	ES580-06-132G/160P-3
	360	200	314	160	ES580-07-160G/200P-3
	427	220	387	200	ES580-07-200G/220P-3
	450	250	427	220	ES580-07-220G/250P-3
	525	280	481	250	ES580-08-250G/280P-3
	600	315	550	280	ES580-08-280G/315P-3
	660	355	616	315	ES580-08-315G/355P-3
	730	400	650	355	ES580-09-355G/400P-3
	810	450	720	400	ES580-09-400G/450P-3
	870	500	810	450	ES580-09-450G/500P-3
	980	560	870	500	ES580-09-500G/560P-3
1060	630	980	560	ES580-09-560G/630P-3	



**Signature**

**Name: Jason Fu**

**Position: Supervisor**

**Date: 11 December 2020**

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