

# **SINOMAGS**

CURRENT  
SENSOR

Application

电流传感器  
应用



Founded  
**2013**

1200 employees, 200 R&D staff  
 全球员工: 1200、技术人员: 200+

**1200/200+**

xMR device ~ 500 Mpcs/year  
 xMR die ~ 5 亿颗/年

**500** Mpcs

Y2022, current sensor production exceeds 100 Mpcs  
 2022年, 电流传感器产出突破1亿颗

**100** Mpcs

PV industry current sensors: Over 50% market dominance  
 Automotive-grade current sensors: 30% global market share  
 光伏行业电流传感器的市场占有率超过50%, 汽车行业30%

**50%+**

SINOMAGS  
**CURRENT SENSOR**



Founded in 2013, Sinomags is dedicated to the development and production of magnetic sensors.

We have four subsidiary companies in Germany, Wuxi, Ningbo, and Bengbu. And we have invested in a magnetic encoder R&D and production based in Wuxi.

The company's R&D team consists of more than 200 engineers and experts in the field of magnetism and power electronics as the core, covering the design development and production of the whole industrial chain from xMR wafers to sensor modules.

With the mastery of the core technology of magnetic sensing and continuous innovation, Sinomags is providing more competitive solutions for new energy power generation, new energy vehicles, smart grid, smart home, smart manufacturing and other industries.

希磁科技成立于2013年, 专注于磁性传感器的研发与生产, 融合了设计、研发、生产以及销售于一体的运营模式, 坚持自主创新。

希磁科技在安徽、宁波、无锡和德国设有四家子公司, 并在无锡投资建立了磁性编码器研发生产基地。

希磁科技的产品系列包括:AMR, GMR, TMR晶圆, 磁性传感器芯片, 磁性传感器模组以及磁性检测系统等。

作为一家高新技术企业和国家专精特新小巨人企业, 我们全球的员工人数近1200人, 技术团队由磁学和电力学领域的多名专家领衔, 团队规模达200人。

凭借对磁传感核心技术的深入掌握和持续创新, 希磁科技正为新能源发电、新能源汽车、智能电网、智能家居以及智能制造等行业提供更具竞争力的解决方案, 推动技术进步和发展。



-  **Bengbu (Sinomags)**  
 Headquarter  
 Production for Current Sensor
-  **Wuxi (Lertech & Esstmags)**  
 R&D  
 Sales Centers
-  **Ningbo (Sinomags)**  
 R&D & Production for Current Sensor
-  **Mainz (SENSITEC)**  
 Waferfab for magnetic sensor
-  **Wetzlar (SENSITEC)**  
 R&D Center for magnetic sensor

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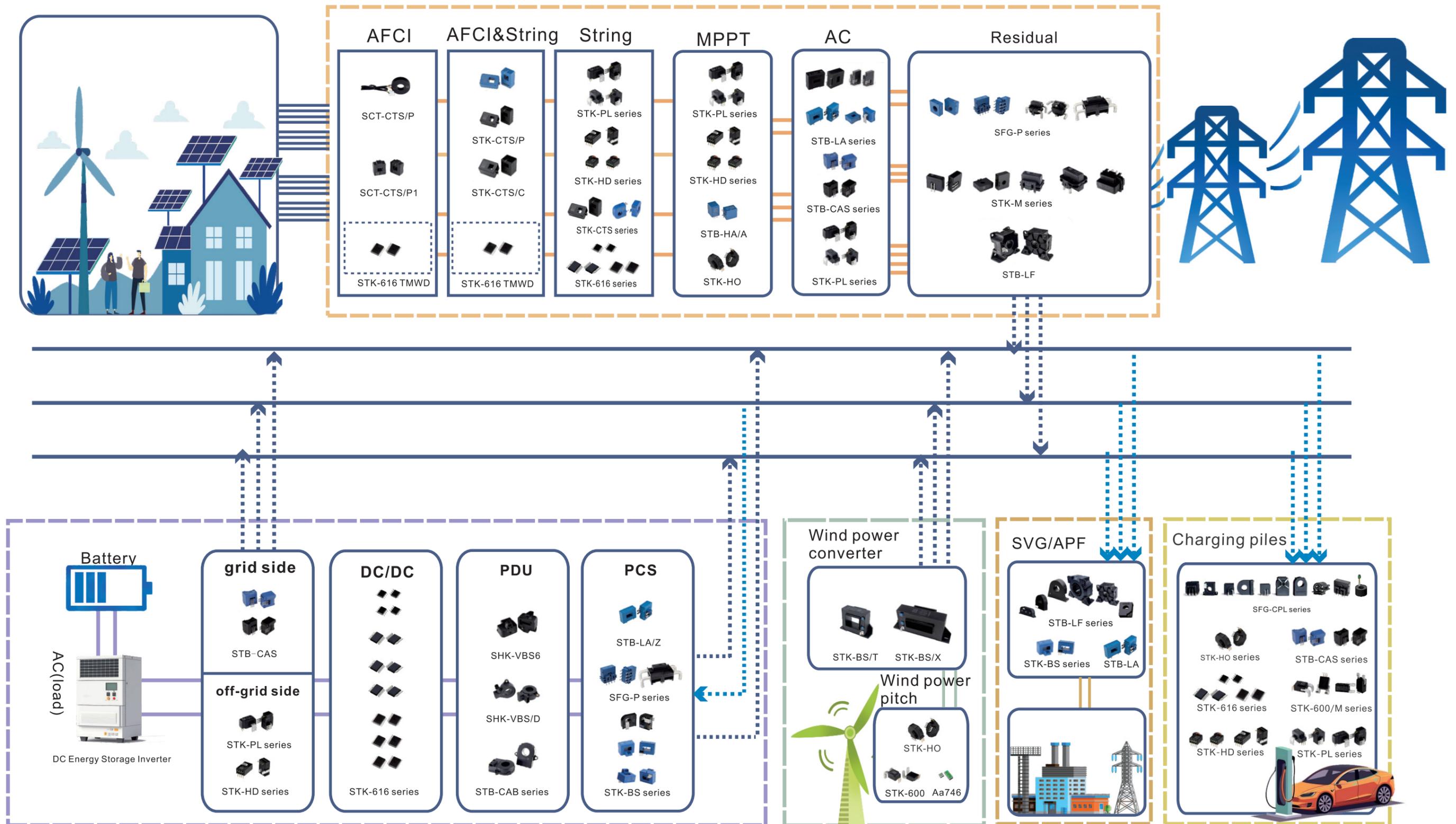
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# NEW ENERGY GENERATION APPLICATION

## 新能源发电应用



# 01

## NEW ENERGY GENERATION APPLICATION

### 新能源发电应用

- Meet the requirements for high pressure and high altitude
- Meet the requirements for high frequency
- Development based on underlying application requirements

满足高压和高海拔应用要求  
满足高频应用要求  
基于基本应用需求进行开发

### ◎ AFCI / 拉弧检测

Product	Current	Voltage	Out				ESD rating(HBM)	Application
			Self-inspection Inductance(μH)	Induction coil Inductance(μH)	Self-inspection Resistance(Ω)	Induction coil Resistance(Ω)		
SCT-CTS/P1	○		NA	400~500	NA	0.4~1	4	AFCI
SCT-CTS/P	○		135~205	530~580	0.4~1	0.8~2	4	

### ◎ AFCI & String / 拉弧组串检测

Technology	Type	Out	Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X <sub>TRange</sub> (%FS)	Connction	Application
○	STK-CTS/C1	○	5	12.8~16	32~40	4	4	400	1	1	2~3	THT	AFCI&String
○	STK-CTS/P	○	5	12.8~20	20~50	4	4	400	1	1	2.5	THT	
○	STK-CTS/P5	○	5	10~20	25~50	4	4	400	1	0.8	1.5~3	THT	
○	STK-CTS/P6	○	5	25~40	25~40	4	4	400	1	1	2.5	THT	
○	STK-CTS/PR	○	5	50	50	4	4	400	1	1.5	2.5	THT	
○	STK-CTS/CB	○	5	32	32	4	4	400	1	1	3	THT	
○	STK-CTS/C4	○	5	32	32	4	4	400	1	1	3	THT	
○	STK-CTS/CE	○	5	50	50	4	4	400	1	1	3	THT	
○	STK-CTS/CC	○	5	50	50	4	4	400	1	1	3	SMT	
○	STK-CTS/A1	○	5	25	25	4	4	180	1	1	2.5	THT	
○	STK-616TMW	○	3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT	
○	STK-616TMWD	○	3.3, 5	20~65	1, 20~65	8	5	600	0.2	1.5	3.5	SMT	



SCT-CTS/P1



SCT-CTS/P



STK-CTS/C1



STK-CTS/P5, P6, PR



STK-CTS/CB



STK-CTS/CC, C4



STK-CTS/CE



STK-CTS/A1

### ◎ String/ 组串电流检测

Technology	Type	Out	Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X <sub>TRange</sub> (%FS)	Connction	Application
○	STK-616AM	○	3.3, 5	25~100	25~100	4	4	600	0.9	1.5	3.5	SMT	String
○	STK-616AM3	○	3.3, 5	50~180	50~180	4	4	600	0.9	1	3.5	SMT	
○	STK-616AM5	○	3.3, 5	20~200	20~200	4	4	600	0.9	1.5	3.5	SMT	
○	STK-616AM8	○	3.3, 5	50~133	50~133	4	4	600	0.9	1	3.5	SMT	
○	STK-616BML	○	3.3, 5	6.5~65	6.5~65	4	3.6	600	0.9	1.5	3.5	SMT	
○	STK-616DML	○	3.3, 5	6~25	14.5~75	4	3.6	600	0.9	1.5	3.5	SMT	
○	STK-616HML	○	3.3, 5	10~30	25~75	4	3.6	600	0.9	1.5	3.5	SMT	
○	STK-616KMF	○	3.3, 5	20~65	20~65	4	3.6	1500	0.2	1.5	3.5	SMT	
○	STK-616TML	○	3.3, 5	10~133	10~133	4	3.6	600	0.9	3.5	3.5	SMT	
○	STK-616TMF	○	3.3, 5	10~65	10~65	4	3.6	1500	0.2	1.5	3.5	SMT	
○	STK-616TMF5	○	3.3, 5	10~133	10~133	4	3.6	1500	0.6	1.5	3.5	SMT	
○	STK-616TMM	○	3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT	
○	STK-616TMW	○	3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT	
○	STK-616TMWD	○	3.3, 5	20~65	1, 20~65	8	5	600	0.2	1.5	3.5	SMT	
○	STK-616ZMF	○	3.3, 5	10~65	10~65	2	3.6	2000	0.05	1.5	3.5	SMT	
○	STK-616ZMT	○	3.3, 5	10~65	10~65	4	2.4	2000	0.05	1.5	3.5	SMT	
○	STK-PL/A	○	5	10~50	25~125	5	4	400	1.5	1	2	THT	
○	STK-PL/Z	○	3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT	
○	STK-HD/P	○	5, 3.3	5~30	12.5~75	4	4	600	1	1	3	THT	
○	STK-HD/K	○	5	20~50	50~100	4	4	600	1	0.8	1.5	THT	



STK-616TMW, TMWD



STK-616ZM



STK-616AMx



STK-616xM



STK-PL/A



STK-PL/Z



STK-HD/P



STK-HD/K

### ◎ MPPT / 光伏逆变器 MPPT

Technology	Type	Out	Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X <sub>TRange</sub> (%FS)	Connction	Application
○	STK-HO	○	5	60~150	150~375	4	4	200	2	1.5	3	THT	MPPT
○	STK-HO/2	○	5	60~250	150~625	4	4.3	200	1.5	1	3	THT	
○	STK-HO/4	○	5	50~250	125~625	4	4.3	200	1.5	1	3	THT	
○	STK-HO/1	○	5	100~200	300~600	4	4.3	200	2	1	3	THT	
○	STK-HO/P	○	5	50~400	150~600	4	4.3	50	5	1	3	THT	
○	STK-HO/B	○	5	50~180	125~350	4	4	1000	0.2	1	3	THT	
○	STK-200HO/YS	○	5	±200	1250	4	5.4	180	3	3.3	4	THT	
○	STK-500HO/YS	○	5	±500	1250	4	5.4	180	3	3.3	4	THT	



STK-HO



STK-HO/2



STK-HO/1&4



STK-HO/P



STK-HO/B



STK-HO/YS

◎ MPPT / 光伏逆变器 MPPT

Technology			Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X <sub>-</sub> TRange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate	Voltage	Digital	Current											
O					±15	3~40	9~120	4	4	150	1.5	0.8	0.8	THT	MPPT	
O					±15	10~60	30~180	4	4	150	1.5	0.8	0.8	THT		
O					±15	50	150	4	4	150	1.5	0.8	0.8	THT		
O					±15	25	75	4	NA	150	1.5	1.5	1.5	THT		
O					±15	50	150	4	NA	150	1.5	1.5	1.5	THT		
O					3.3, 5	5~30	12.5~75	4	4	600	1	1	3	THT		
O					5	3~10	7.5~25	4	4	800	0.4	0.8	1.5	THT		
O					5	20~40	NA	4	4	400	1	1	3	THT		
O					5	20~50	50~100	4	4	600	1	0.8	1.5	THT		
O					5	20~50	50~100	4	4	600	1	0.8	1.5	THT		
O					5	20~50	50~100	4	4	600	1	0.8	1.5	THT		
O					5	20~50	50~100	4	4	600	1	0.8	1.5	THT		
O					5	20~30	20~50	4	4	600	1	1	3	THT		
O					5	20	20	4	4	600	1	1	3	THT		
O					5	20	50	4	4	600	1	1	3	THT		
O					5	15	NA	4	4	600	0.4	0.8	1.5	THT		
O					5	5~30	12.5~75	4	4	1000	0.5	1	3	THT		
O					5	10~50	25~125	5	4	400	1.5	1	2	THT		
O					5	50	50	5	4	300	1.5	1.5	3	THT		
O					3.3	10~50	30~150	5	4	400	1.5	1	2	THT		
O					5	10~50	25~125	5	4	400	1.5	1	2	THT		
O					3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT		
O					5	50	150	4	5	400	1.5	1	3	THT		
O					5	100	200	4	5	400	1.5	1	3	THT		
O					3.3	50	150	4	5	400	1.5	1	3	THT		
O					5	200	500	4	5	300	1.5	1	2	THT		
O					3.3, 5	25~100	25~100	4	4	600	0.9	1.5	3.5	SMT		
O					3.3, 5	50~180	50~180	4	4	600	0.9	1	3.5	SMT		
O					3.3, 5	20~200	20~200	4	4	600	0.9	1.5	3.5	SMT		
O					3.3, 5	50~133	50~133	4	4	600	0.9	1	3.5	SMT		
O					3.3, 5	6.5~65	6.5~65	4	3.6	600	0.9	1.5	3.5	SMT		
O					3.3, 5	6~25	14.5~75	4	3.6	600	0.9	1.5	3.5	SMT		
O					3.3, 5	10~30	25~75	4	3.6	600	0.9	1.5	3.5	SMT		
O					3.3, 5	20~65	20~65	4	3.6	1500	0.2	1.5	3.5	SMT		
O					3.3, 5	10~133	10~133	4	3.6	600	0.9	3.5	3.5	SMT		
O					3.3, 5	10~65	10~65	4	3.6	1500	0.2	1.5	3.5	SMT		
O					3.3, 5	10~133	10~133	4	3.6	1500	0.6	1.5	3.5	SMT		
O					3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT		
O					3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT		
O					3.3, 5	20~65	1,20~65	8	5	600	0.2	1.5	3.5	SMT		
O					3.3, 5	10~65	10~65	2	3.6	2000	0.05	1.5	3.5	SMT		
O					3.3, 5	10~65	10~65	4	2.4	2000	0.05	1.5	3.5	SMT		



◎ AC / 交流检测

Technology			Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X <sub>-</sub> TRange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate	Voltage	Digital	Current											
O					5	15~75	51~220	4	5	400	0.3	0.8	2.5	THT	AC	
O	O				5	6~75	20~220	4	5	400	0.3	0.8	1.4	THT		
O	O				5	6~75	20~220	4	4	400	0.3	0.8	1.1	THT		
O	O				5	25~50	85~150	4	4	400	0.3	0.8	1.1	THT		
O					5	25	85	4	4	400	0.3	0.8	1.15	THT		
O					5	25	50.1	4	8	200	1	0.5	0.5	THT		
O					±12 or ±15	50~150	200~240	4	4	150	0.5	0.5	0.5	THT		
O					±12~±15	25~100	55~200	4	4	150	0.5	NA	0.5	THT		
O					5	25	25	4	4	200	0.3	10	10	THT		
O					±12 or ±15	100	188,236	NA	1.8	200	1	0.1	0.1	THT		
O					±12~±15	25~100	55~175	4	4	150	0.5	0.5	1.5	THT		
O					±12~±15	25~100	55~175	4	5	150	0.5	0.5	NA	THT		
O					±12~±15	50	128	4	4	150	0.5	0.3	0.3	THT		
O					±15	200	NA	NA	3	100	1	0.5	0.6	THT		
O					±15	230	425,220	NA	3	100	1	0.5	0.5	THT		
O					5	100	220	4	4	300	0.5	0.8	1.1	THT		
O					5	100	200	4	4	100	1	0.7	0.7	THT		
O					5	300	600	4	4	300	0.6	0.8	1.1	THT		
O					5	300	600	4	4	300	0.6	0.8	1.1	THT		
O					12	50	50	4	4	100	/	10	10	THT		
O					5	250	380,450	4	4	200	3	1	1.4	THT		
O					5	100~200	300~450	4	4	300	0.3	0.8	1.1	THT		
O					5	250	450	4	4	200	3	1	1.4	THT		

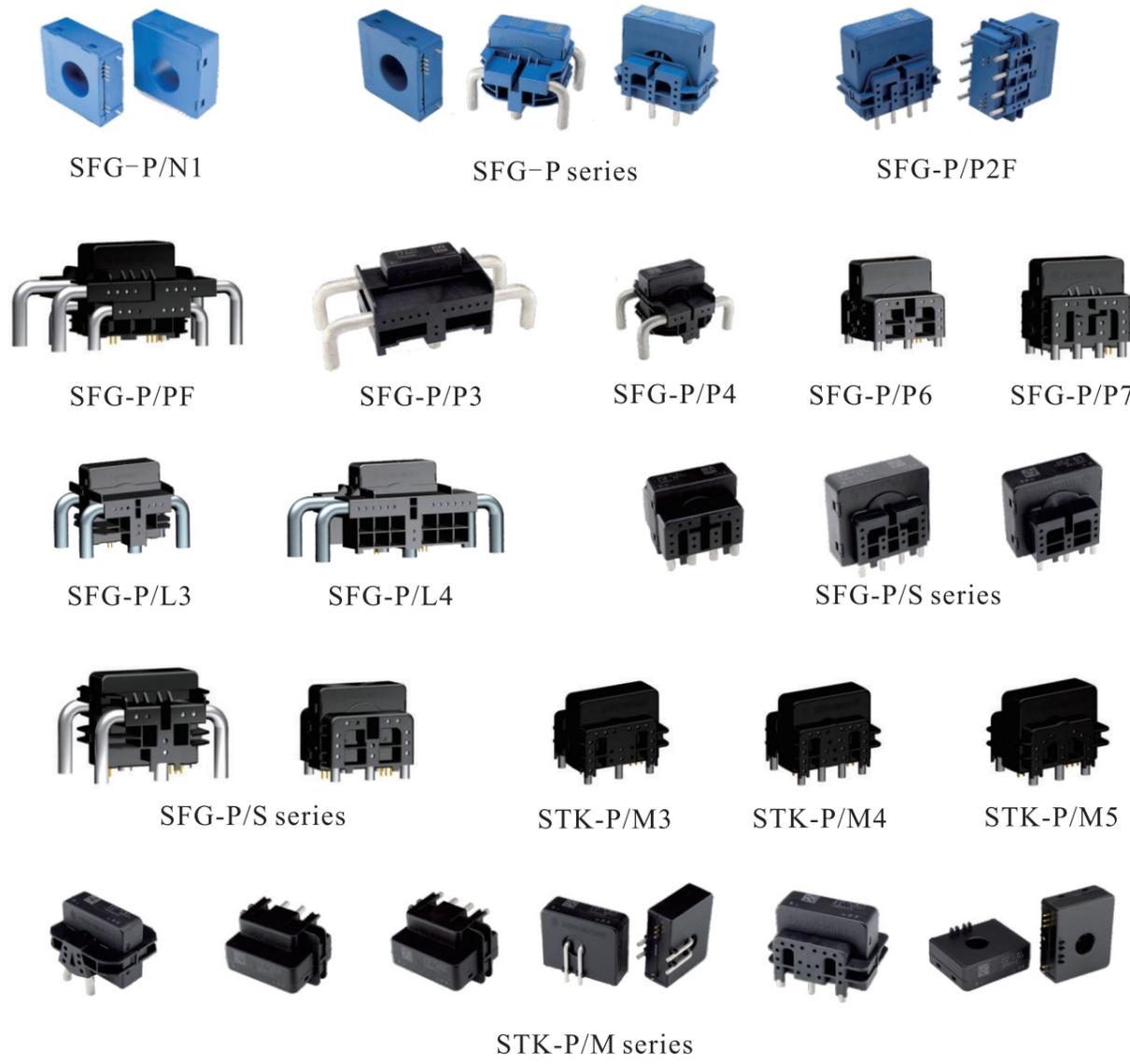


◎ AC / 交流检测 (离网侧&电网侧)

Technology		Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_TRange (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		STK-PL/A	O		5	10~50	25~125	5	4	400	1.5	1	2	THT	AC	
O		STK-PL/Q	O		5	50	50	5	4	300	1.5	1.5	3	THT		
O		STK-PL/P1	O		3.3	10~50	30~150	5	4	400	1.5	1	2	THT		
O		STK-PL/AH1	O		5	10~50	25~125	5	4	400	1.5	1	2	THT		
O		STK-PL/Z	O		3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT		
O		STK-50PL/Z1	O		5	50	150	4	5	400	1.5	1	3	THT		
O		STK-100PL/Z2	O		5	100	200	4	5	400	1.5	1	3	THT		
O		STK-50PL/Z3	O		3.3	50	150	4	5	400	1.5	1	3	THT		
O		STK-200PL/Z	O		5	200	500	4	5	300	1.5	1	2	THT		
O		STK-HD/P	O		5, 3.3	5~30	12.5~75	4	4	600	1	1	3	THT		
O		STK-HD/K	O		5	20~50	50~100	4	4	600	1	0.8	1.5	THT		
O		STK-PL/A	O		5	10~50	25~125	5	4	400	1.5	1	2	THT		
O		STK-PL/Z	O		3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT		
O		STB-CAB500	O		12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping	AC(grid)	
O		STB-CAB540	O		12	540	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB600X-XXC	O		12	540	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB500x-xxx	O		12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB1000X-xx	O		12	1000	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CABxxN-xxF	O		12	500~700	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB1500	O		12	600	NA	4	2.5	NA	NA	NA	0.5	Clamping		

◎ Residual/漏电流检测

Technology		Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_TRange (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
		SFG-P	O		5	0.3~5.0	0.5~8.0	NA	4	15	30~50	1.9	3.2	THT	Residual	
		SFG-P/N1	O		5	0.3~5.0	0.5~10	NA	4	15	30~50	1.9	3.2	THT		
		SFG-P/P2F	O		5	0.3~3.0	0.5~5.0	NA	4	15	40~50	1.9	3.2	THT		
		SFG-P/PF	O		5	0.6~3.0	0.85~5.0	NA	4	15	40	1.9	3.2	THT		
		SFG-P/P3	O		5	3.0~5.0	5.0~8.0	NA	4	15	40	1.9	3.2	THT		
		SFG-P/P4	O		5	3.0~5.0	5.0~8.0	NA	4	15	40	1.9	3.2	THT		
		SFG-P/P6	O		5	0.3~5.0	0.5~10	NA	4	15	50	1.9	3.2	THT		
		SFG-P/P7	O		5	0.3	0.5	NA	4	15	40	1.9	3.2	THT		
		SFG-P/L3	O		5	0.6~5	0.85~10	NA	5.1	15	30~50	1.9	3.2	THT		
		SFG-P/L4	O		5	0.6~6	0.85~10	NA	5.1	15	30~50	1.9	3.2	THT		
		SFG-P/S	O		5	0.3~1.0	0.5~1.7	NA	4	0.7	700	2	4	THT		
		SFG-P/S4	O		5	0.3~1.0	0.5~1.7	NA	4	0.7	700	2	4	THT		
		SFG-P/S5	O		5	0.3~1.0	0.5~1.7	NA	4	0.7	700	2	4	THT		
		STK-P/M	O		5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT		
		STK-P/M3	O		5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT		
		STK-P/M4	O		5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT		
		STK-P/M5	O		5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT		



◎ Power Grid / 电网

Technology			Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_TRange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Digital	Current											
O			STB-LA			±12~±15	50~150	200~240	4	4	150	0.5	0.5	0.5		THT	Power Grid
O			STB-LA/N1			±12~±15	25~100	55~200	4	4	150	0.5	NA	0.5		THT	
O			STB-LA/A	O		5	25	25	4	4	200	0.3	10	10		THT	
O			STB-LA/B			±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1		THT	
O			STB-LA/D			±12~±15	25~100	55~175	4	4	150	0.5	0.5	1.5		THT	
O			STB-LA/DF			±12~±15	25~100	55~175	4	5	150	0.5	0.5	NA		THT	
O			STB-50LA/DH			±12~±15	50	128	4	4	150	0.5	0.3	0.3		THT	
O			STB-LA/E			±15	200	NA	NA	3	100	1	0.5	0.6		THT	
O			STB-LA/F			±15	230	425, 220	NA	3	100	1	0.5	0.5		THT	
O			STB-LA/S	O		5	100	220	4	4	300	0.5	0.8	1.1		THT	
O			STB-LA/SF	O		5	100	200	4	4	100	1	0.7	0.7		THT	
O			STB-LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1		THT	
O			STB-300LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1		THT	
O			STB-LA/AM3	O		12	50	50	4	4	100	/	10	10		THT	
O			STB-250LA/ZR	O		5	250	380, 450	4	4	200	3	1	1.4		THT	
O			STB-LA/Zx	O		5	100~200	300~450	4	4	300	0.3	0.8	1.1		THT	
O			STB-250LA/Zx	O		5	250	450	4	4	200	3	1	1.4		THT	
O			STK-BS1	O		±15	100~600	300~900	4	4	50~150	2~7	1	2		THT	
O			STK-BS2	O		±15	500	900	4	4	50	5	1	1		THT	
O			STK-BS6	O		±15	50~600	150~900	4	4	50	5	1	1		THT	
O			STK-BS9	O		±15	50~600	150~900	4	4	50~150	3	1	2		THT	
O			STK-BS10	O		±15	100~600	300~900	4	4	50~150	2~4	1	2		THT	
O			STK-BS/S1	O		5	50~600	150~1100	4	3.3	60	3.5	1	3.5		THT	
O			STK-BS/S2	O		5	50~600	150~1100	4	3.3	60	3.5	1	3.5		THT	
O			STK-BS/S3	O		5	50~600	150~1100	4	3.3	250	3.5	1	3.5		THT	
O			STK-BS/H	O		±15	50~400	150~600	4	2.5	50	3	1	3		THT	
O			STK-BS/H4	O		15	50~100	150~450	4	2.5	50	3	1	2		THT	
O			STK-BS/A	O		±12~±15	300~1000	900~3000	4	5	25	3	1	1		THT	
O			STK-BS1B	O		±15	100~600	300~900	4	4	70~150	2~4	1	2		THT	
O			STK-BS1L	O		±15	100~600	300~900	4	4	70~150	2~4	1	2		THT	



◎ Wind power / 风力发电&电网

Technology			Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_TRange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Digital	Current											
O			STK-BS/T	O		±12~±15	200~1500	600~2500	4	4.9	25	5	1	1		Clamping	Wind power & Power Grid
O			STK-BS/T5	O		±15	163~2184	500~2500	4	4.9	25	5	1	1		Clamping	
O			STK-BS/X	O		±12~±15	500~2500	1500~5500	4	4	25	5	1	1		Clamping	
O			STK-BS/X2	O		±15	3000~6000	4500~12000	4	5.6	1	0.2	1	1		Clamping	
O			STK-BS/X4	O		±12~±15	500~2500	1500~5500	4	5	25	5	1	1		Clamping	
O			STK-BS/X5	O		±12~±15	500~2500	1500~5500	4	4	25	5	1	1		Clamping	
O			STK-BS/X6	O		±12~±15	500~2500	1500~5500	4	5	25	5	1	1		Clamping	
O			STK-BS/X7	O		±12~±15	1200~3000	3600~5500	4	5	25	5	1	1		Clamping	
O			STK-HO	O		5	60~150	150~375	4	4	200	2	1.5	3		THT	
O			STB-LF	O		±12~±15	100~200	200~420	4	4	100	0.5	0.3	0.2		Clamping	
O			STB-LF2	O		±12~±15	200~300	500~600	4	5	100	1	0.3	0.3		Clamping	
O			STB-LF/2	O		±15~±18	500	800	4	4.95	100	0.5	0.4	0.4		Clamping	
O			STB-LF/3	O		±15	366	950	4	3	100	1	0.42	0.42		Clamping	
O			STB-LF4	O		±12~±20	300	500	4	3.8	100	1	0.5	0.5		Clamping	
O			STB-LF4-A	O		±24	300	860	4	3.8	100	1	0.47	0.47		Clamping	
O			STB-LF4-B	O		±12~±20	300	500	4	3.8	100	1	0.47	0.47		Clamping	
O			STB-LF5	O		±15~±24	500	800	4	3.8	200	0.5	0.5	0.6		Clamping	
O			STB-LF5-A	O		±15~±24	500	800	4	4	200	1	0.6	0.6		Clamping	
O			STB-LF5-B	O		±15~±24	500	800	4	4	200	1	0.6	0.6		Clamping	
O			STB-LF5-S	O		±24	622	1700	4	3	100	1	0.6	0.6		Clamping	
O			STB-LF6	O		±15~±24	1000	1500	4	3.8	200	0.5	0.4	0.4		Clamping	
O			STB-LF7	O		±15	180	540	4	2.5	100	1	1.2	1.2		Clamping	
O			STB-LF8	O		±15	88	240	4	2.5	100	1	1.2	1.2		Clamping	
O			STB-LF9	O		±15~±20	300	700	3	3	100	1	0.3	0.36		Clamping	



# 02

## EV APPLICATION

### 新能源车应用

AEC-Q100 Qualified · Wide range of current detection

ISO26262 · ASIL B

AEC-Q100 认证

ISO26262 & ASIL B

电流检测范围宽

出色的电磁兼容性

### ◎ EPS & Headlight Power supply / 助力转向&大灯电源

Technology	Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>iso</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@I <sub>pn</sub> TA=25°C (%FS)	X <sub>T</sub> Range (%FS)	Connction	Application
		Voltage	Current											
Open-loop	STK-600/M-MPFF&MPSF	O		3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	EPS
Closed-loop	STK-600-M-PFF&PSF&PSS	O		3.3, 5	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
Fluxgate	STK-616ZMF	O		3.3, 5	10 ~ 65	10 ~ 65	2	3.6	2000	0.05	1.5	3.5	SMT	Headlight Power supply
	STK-616ZMT	O		3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



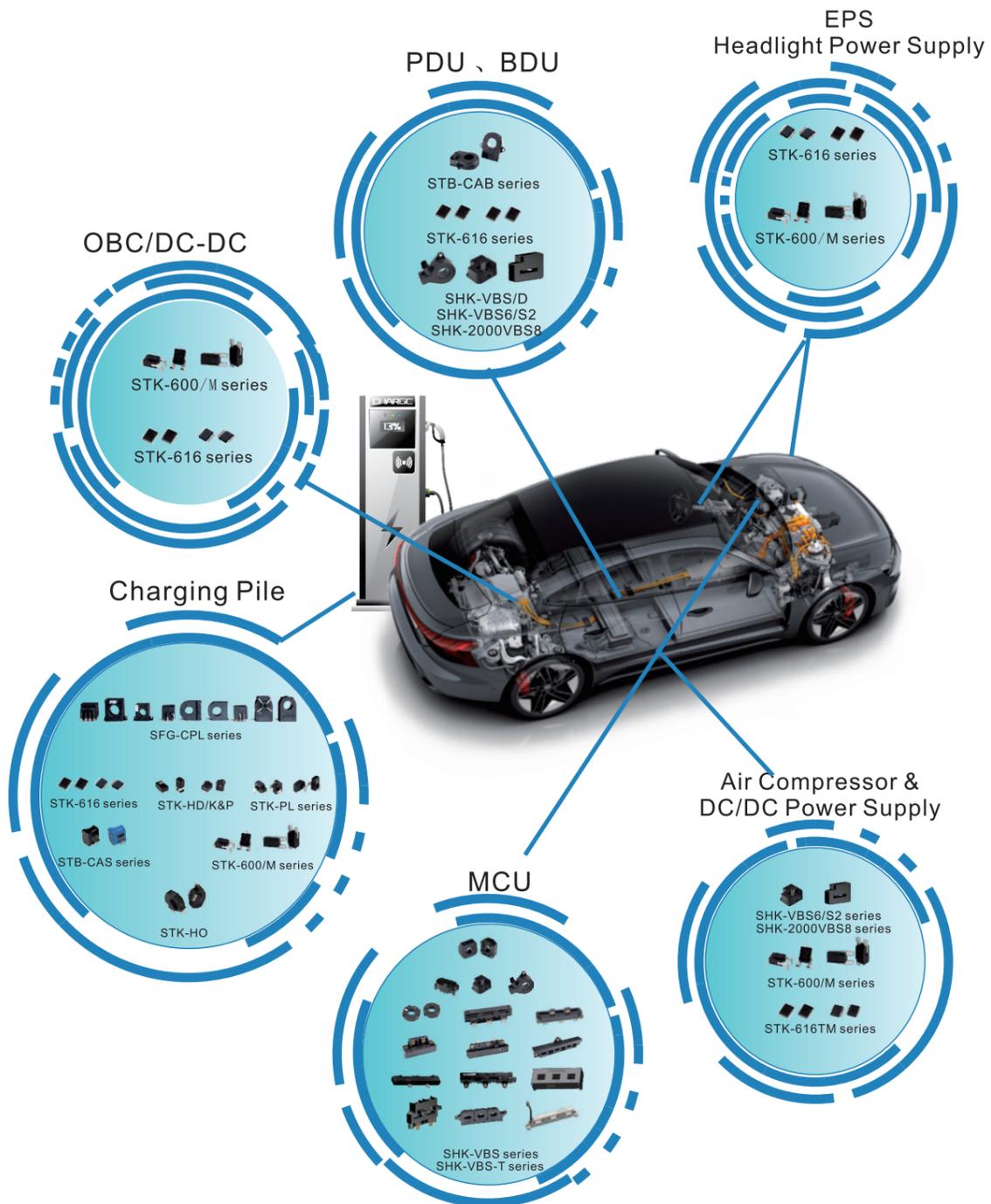
STK-600/M -PFF&PSF&PSS STK-600/M-MPFF&MPSF STK-616ZMF STK-616ZMT

### ◎ Air Compressor & DC/DC Power supply / 空气压缩机&直流-直流电源

Technology	Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X <sub>T</sub> Range (%FS)	Connction	Application
		Voltage	Current											
Open-loop	SHK-VBS2-D	O		5	545	1090	4	4	NC	3.5	1.5	3	THT	Air Compressor & DC/DC Power supply
Closed-loop	SHK-VBS3	O		5	100 ~ 900	100 ~ 900	5	4	100	3.5	2	3.5	THT	
Fluxgate	SHK-VBS3/Sx	O		5	400 ~ 900	400 ~ 900	4	4	100	3.5	1	3.5	THT	
	STK-600/M-MPFF&MPSF	O		3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	
	STK-600-M-PFF&PSF&PSS	O		3.3, 5	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
	STK-616AM	O		3.3, 5	25 ~ 100	25 ~ 100	4	4	600	0.9	1.5	3.5	SMT	
	STK-616AM3	O		3.3, 5	50 ~ 180	50 ~ 180	4	4	600	0.9	1	3.5	SMT	
	STK-616AM5	O		3.3, 5	20 ~ 200	20 ~ 200	4	4	600	0.9	1.5	3.5	SMT	
	STK-616AM8	O		3.3, 5	50 ~ 133	50 ~ 133	4	4	600	0.9	1	3.5	SMT	
	STK-616BML	O		3.3, 5	6.5 ~ 65	6.5 ~ 65	4	3.6	600	0.9	1.5	3.5	SMT	
	STK-616DML	O		3.3, 5	6 ~ 25	14.5 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT	
	STK-616HML	O		3.3, 5	10 ~ 30	25 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT	
	STK-616KMF	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT	
	STK-616TML	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	600	0.9	3.5	3.5	SMT	
	STK-616TMF	O		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT	
	STK-616TMF5	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	1500	0.6	1.5	3.5	SMT	
	STK-616TMM	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT	
	STK-616TMW	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT	
	STK-616TMWD	O		3.3, 5	20 ~ 65	1,20 ~ 65	8	5	600	0.2	1.5	3.5	SMT	
	STK-616ZMF	O		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	2000	0.05	1.5	3.5	SMT	
	STK-616ZMT	O		3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



SHK-VBS2/D SHK-VBS3 SHK-VBS3/Sx SHK-VBS3/Sx  
STK-600/M -PFF&PSF&PSS STK-600/M-MPFF&MPSF  
STK-616xM STK-616AMx STK-616ZMF STK-616ZMT



◎ OBC, DC/DC & BMS / 车载充电机, 直流-直流 & 电池管理系统

Technology		Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangle (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		STK-600/M-PFF&MPSF	O		3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	OBC,DC/DC	
O		STK-600-M-PFF&PSF&PSS	O		3.3, 5	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT		
O		STK-616AM	O		3.3, 5	25 ~ 100	25 ~ 100	4	4	600	0.9	1.5	3.5	SMT		
O		STK-616AM3	O		3.3, 5	50 ~ 180	50 ~ 180	4	4	600	0.9	1	3.5	SMT		
O		STK-616AM5	O		3.3, 5	20 ~ 200	20 ~ 200	4	4	600	0.9	1.5	3.5	SMT		
O		STK-616AM8	O		3.3, 5	50 ~ 133	50 ~ 133	4	4	600	0.9	1	3.5	SMT		
O		STK-616BML	O		3.3, 5	6.5 ~ 65	6.5 ~ 65	4	3.6	600	0.9	1.5	3.5	SMT		
O		STK-616DML	O		3.3, 5	6 ~ 25	14.5 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT		
O		STK-616HML	O		3.3, 5	10 ~ 30	25 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT		
O		STK-616KMF	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT		
O		STK-616TML	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	600	0.9	3.5	3.5	SMT		
O		STK-616TMF	O		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT		
O		STK-616TMF5	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	1500	0.6	1.5	3.5	SMT		
O		STK-616TMM	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT		
O		STK-616TMW	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT		
O		STK-616TMWD	O		3.3, 5	20 ~ 65	1,20 ~ 65	8	5	600	0.2	1.5	3.5	SMT		
O		STB-CAB500	O		12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping		OBC,DC/DC,BMS
O		STB-CAB540	O		12	540	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB600X-XXC	O		12	540	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB500x-xxx	O		12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB1000X-xx	O		12	1000	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CABxxN-xxF	O		12	500~700	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB1500	O		12	600	NA	4	2.5	NA	NA	NA	0.5	Clamping		



◎ Motor Controller / 电机控制器

Technology		Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_TRangle (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		SHK-VBS2-D	O		5	545	1090	4	4	NC	3.5	1.5	3	THT	Motor Controller	
O		SHK-VBS-D-A	O		5	75, 1000	NA	8	2.5	10	18	NA	3.3, 4.4	THT		
O		SHK-VBS-D-B	O		5	75, 500	NA	8	2.5	10	18	NA	3.3, 2.1	THT		
O		SHK-VBS-D-C	O		5	75, 750	NA	8	2.5	10	18	NA	3.3, 3	THT		
O		SHK-VBS-D-D	O		5	30, 350	NA	8	2.5	10	18	NA	3.3, 2.6	THT		
O		SHK-VBS-D-E	O		5	40, 400	NA	8	2.5	10	18	NA	3.7, 3.2	THT		

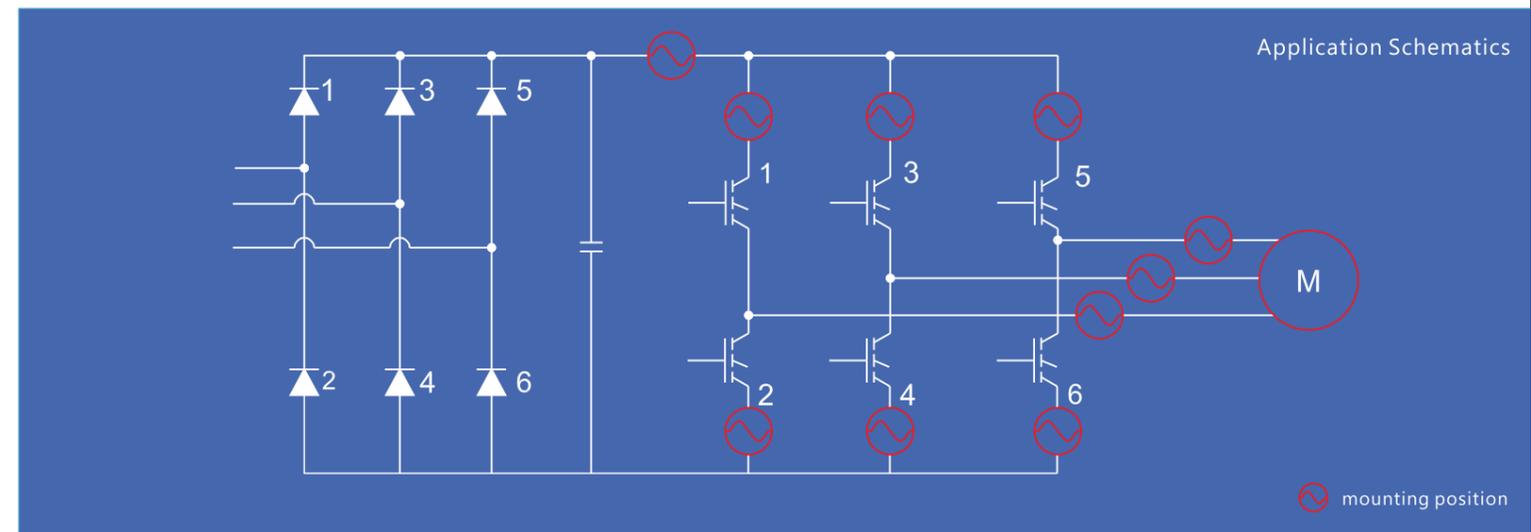
◎ Motor Controller / 电机控制器

Technology		Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangle (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		SHK-VBS3	O		5	100 ~ 900	100 ~ 900	5	4	100	3.5	2	3.5	THT	Motor Controller	
O		SHK-VBS3/Sx	O		5	400 ~ 900	400 ~ 900	4	4	100	3.5	1	3.5	THT		
O		SHK-VBS-A1-S2	O		5	600	600	4	4	100	3.5	1.5	3.5	THT		
O		SHK-VBS-A3-S3	O		5	500 ~ 1200	500 ~ 1200	4	2	40	2	2.75	4	THT		
O		SHK-VBS-A3-S2	O		5	1000 ~ 1600	1000 ~ 1600	4	2	40	2	2.75	4	THT		
O		SHK-VBS5	O		5	100 ~ 900	100 ~ 900	4	4	100	3.5	1	3	THT		
O		SHK-VBS6-S2	O		5	100 ~ 1500	100 ~ 1500	4	4	40	2	2.25	3.25	THT		
O		SHK-VBS8	O		5	2000	2000	8	2.5	40	2	2.25	3.25	THT		
O		SHK-VBS-T3	O		5	545	1090	4	4	100	3.5	2	2.5	Clamping		
O		SHK-VBS-T3-S4	O		5	545	1090	4	4	100	3.5	2	2.5	Clamping		
O		SHK-VBS-T4	O		5	545	1090	4	4	120	3.5	2	2.5	Clamping		
O		SHK-VBS-T5-S2	O		5	300	300	4	4	40	2	2	3.5	Clamping		
O		SHK-VBS-T6	O		5	800 ~ 1200	800 ~ 1200	4	4	40	2	4.5	5.5	Clamping		
O		SHK-VBS-T6-S3	O		5	800 ~ 1200	800 ~ 1200	4	4	40	2	4.5	5.5	Clamping		
O		SHK-VBS-T6-S5	O		5	800 ~ 1200	800 ~ 1200	4	4	40	2	2	3.5	Clamping		
O		SHK-VBS-T6-S6	O		5	800 ~ 1200	800 ~ 1200	8	2.5	40	2	4.5	5.5	Clamping		
O		SHK-VBS-T7-S2	O		5	600 ~ 700	300 ~ 700	4	4	40	2	2 ~ 4	2	3.5		Clamping
O		SHK-VBS-T8-S2	O		5	300 ~ 1200	300 ~ 1200	4	4	40	4	2	3.5	Clamping		
O		SHK-VBS-T8-S3	O		5	300 ~ 1200	300 ~ 1200	4	4	40	4	2	3.5	Clamping		
O		SHK-VBS-T8-S5	O		5	1000	1000	4	4	40	2	2	3.5	Clamping		
O		SHK-VBS-T8-S6	O		5	600	600	4	4	40	2	1.5	3.5	Clamping		
O		SHK-VBS-T8-S7	O		5	300 ~ 1200	300 ~ 1200	4	4	40	2	1.5	3	Clamping		
O		SHK-VBS-T8-S8	O		5	600 ~ 1100	600 ~ 1100	4	4	40	2	1.5	3	Clamping		
O		SHK-VBS-T9	O		5	600 ~ 1100	600 ~ 1100	4	4	40	2	NA	NA	Clamping		



◎ Motor Controller / 电机控制器

Technology		Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangc (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Current											
O		SHK-VBS-TA-S2	O		5	600~700	600~700	8	2.5	40	2~4	1.5	3.75	Clamping	Motor Controller
O		SHK-VBS-TB-S2	O		5	250	250	8	2.5	40	2	3.15	0.75	Clamping	
O		SHK-VBS-TE-S2	O		5	100~200	100~200	4	1.5	40	4	1	2	Clamping	
O		SHK-VBS-TE-S5	O		5	800, 1200	800, 1200	2	2.5	40	2	2.75	1.5	Clamping	
O		SHK-VBS-TE-SA	O		5	1100	1100	2	2.5	40	2	2	3	Clamping	
O		SHK-VBS-TG	O		±15	50~200	150~600	2	2.5	60	7	3	3	Clamping	
O		SHK-VBS-TH-S2	O		5	660~1100	660~1100	2	2.5	40	2	1	3.5	Clamping	
O		SHK-VBS-TH-S3	O		5	900~1000	900~1000	8	2.8	40	2	1	3.5	Clamping	
O		SHK-VBS-TH-S5	O		5	700~900	700~900	8	2.8	40	2	1	3.5	Clamping	
O		SHK-VBS-TL-S2	O		5	800~1200	800~1200	8	2.8	40	2~4	2.75	3.5	Clamping	
O		SHK-VBS-TL-S3	O		5	1200	1200	8	2.8	40	2~4	2	3.5	Clamping	
O		SHK-VBS-TL-S8	O		5	800~1200	800~1200	8	2.8	40	2~4	1.75	3	Clamping	
O		SHK-VBS-TU-S2	O		5	600	600	8	2.5	40	2	1.5	3	Clamping	
O		SHK-VBS-TU-S3	O		5	1000	1000	8	2.5	40	2	2	3.5	Clamping	
O		SHK-VBS-TM-S2	O		5	600~1000	600~1000	8	2.8	40	2~4	4.5	5.5	Clamping	
O		SHK-VBS-TM-S3	O		5	600~1000	600~1000	8	2.8	40	2~4	4.5	5.5	Clamping	
O		SHK-VBS-TM-S5	O		5	900~1200	900~1200	8	2.8	40	2~4	2	3.5	Clamping	
O		SHK-VBS-TM-S6	O		5	900~1200	900~1200	8	2.8	40	2~4	2	3.5	Clamping	



◎ Servo-drive&Variable frequency drives / 伺服驱动&变频驱动

Technology		Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangc (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Current											
O		STK-616AM	O		3.3, 5	25~100	25~100	4	4	600	0.9	1.5	3.5	SMT	Servo Drive & Variable frequency drive
O		STK-616AM3	O		3.3, 5	50~180	50~180	4	4	600	0.9	1	3.5	SMT	
O		STK-616AM5	O		3.3, 5	20~200	20~200	4	4	600	0.9	1.5	3.5	SMT	
O		STK-616AM8	O		3.3, 5	50~133	50~133	4	4	600	0.9	1	3.5	SMT	
O		STK-616BML	O		3.3, 5	6.5~65	6.5~65	4	3.6	600	0.9	1.5	3.5	SMT	
O		STK-616DML	O		3.3, 5	6~25	14.5~75	4	3.6	600	0.9	1.5	3.5	SMT	
O		STK-616HML	O		3.3, 5	10~30	25~75	4	3.6	600	0.9	1.5	3.5	SMT	
O		STK-616KMF	O		3.3, 5	20~65	20~65	4	3.6	1500	0.2	1.5	3.5	SMT	
O		STK-616TML	O		3.3, 5	10~133	10~133	4	3.6	600	0.9	3.5	3.5	SMT	
O		STK-616TMF	O		3.3, 5	10~65	10~65	4	3.6	1500	0.2	1.5	3.5	SMT	
O		STK-616TMF5	O		3.3, 5	10~133	10~133	4	3.6	1500	0.6	1.5	3.5	SMT	
O		STK-616TMM	O		3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT	
O		STK-616TMW	O		3.3, 5	20~65	20~65	4	3.6	600	0.2	1.5	3.5	SMT	
O		STK-616TMWD	O		3.3, 5	20~65	1, 20~65	8	5	600	0.2	1.5	3.5	SMT	
O		STK-616ZMF	O		3.3, 5	10~65	10~65	2	3.6	2000	0.05	1.5	3.5	SMT	
O		STK-616ZMT	O		3.3, 5	10~65	10~65	4	2.4	2000	0.05	1.5	3.5	SMT	



STK-616AMx



STK-616xM



STK-616ZMF



STK-616ZMT

◎ Servo-drive&Variable frequency drives / 伺服驱动&变频驱动

Technology	Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
		Voltage	Current											
O	STK-HD/P	O		5, 3.3	5 ~ 30	12.5 ~ 75	4	4	600	1	1	3	THT	Servo Drive & Variable frequency drive
O	STK-HD/S	O		5	3 ~ 10	7.5 ~ 25	4	4	800	0.4	0.8	1.5	THT	
O	STK-HD/C	O		5	20 ~ 40	NA	4	4	400	1	1	3	THT	
O	STK-HD/K	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O	STK-HD/KA	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O	STK-HD/KS	O		3.3	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O	STK-HD/P1/x	O		5	20 ~ 30	20 ~ 50	4	4	600	1	1	3	THT	
O	STK-HD/P3	O		5	20	20	4	4	600	1	1	3	THT	
O	STK-HD/P4	O		5	20	50	4	4	600	1	1	3	THT	
O	STK-HD/SG	O		5	15	NA	4	4	600	0.4	0.8	1.5	THT	
O	STK-HD/P/G	O		5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT	
O	STB-CAS/x	O		5	15 ~ 75	51 ~ 220	4	5	400	0.3	0.8	2.5	THT	
O	STB-CAS/F	O		5	6 ~ 75	20 ~ 220	4	5	400	0.3	0.8	1.4	THT	
O	STB-CAS/FA	O		5	6 ~ 75	20 ~ 220	4	4	400	0.3	0.8	1.1	THT	
O	STB-CAS/K-FC	O		5	25 ~ 50	85 ~ 150	4	4	400	0.3	0.8	1.1	THT	
O	STB-CAS/RH	O		5	25	85	4	4	400	0.3	0.8	1.15	THT	
O	STB-CAS/FB	O		5	25	50.1	4	8	200	1	0.5	0.5	THT	



STK-HD/P



STK-HD/S



STK-HD/K



STK-HD/C



STK-HD/P1/x, P3, P4



STK-HD/SG



STK-HD/KA, KS



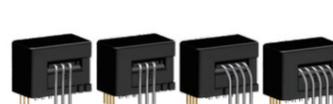
STK-HD/P/G



STB-CAS/x



STB-CAS/F



STB-CAS/FA



STB-CAS/K-FC



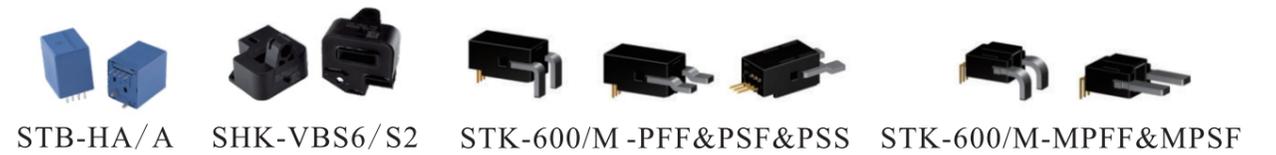
STB-CAS/RH



STB-CAS/FB

◎ Variable frequency drives / 变频驱动

Technology	Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
		Voltage	Current											
O	STB-HA/A	O		±15	10 ~ 60	30 ~ 180	4	4	150	1.5	0.8	0.8	THT	Variable frequency drive
O	SHK-VBS6-S2	O		5	100 ~ 1500	100 ~ 1500	4	4	40	2	2.25	3.25	THT	
O	STK-600/M-MPFF&MPSP	O		5, 3.3	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	
O	STK-600/M-PFF&PSF&PSS	O		5, 3.3	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
O	STB-LA	O		±12 ~ ±15	50 ~ 150	200 ~ 240	4	4	150	0.5	0.5	0.5	THT	
O	STB-LA/N1	O		±12 ~ ±15	25 ~ 100	55 ~ 200	4	4	150	0.5	NA	0.5	THT	
O	STB-LA/B	O		±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1	THT	
O	STB-LA/D	O		±12 ~ ±15	25 ~ 100	55 ~ 175	4	4	150	0.5	0.5	1.5	THT	
O	STB-LA/DF	O		±12 ~ ±15	25 ~ 100	55 ~ 175	4	5	150	0.5	0.5	NA	THT	
O	STB-50LA/DH	O		±12 ~ ±15	50	128	4	4	150	0.5	0.3	0.3	THT	
O	STB-LA/E	O		±15	200	NA	NA	3	100	1	0.5	0.6	THT	
O	STB-LA/F	O		±15	230	425, 220	NA	3	100	1	0.5	0.5	THT	
O	STB-LA/A	O		5	25	25	4	4	200	0.3	10	10	THT	
O	STB-LA/S	O		5	100	220	4	4	300	0.5	0.8	1.1	THT	
O	STB-LA/SF	O		5	100	200	4	4	100	1	0.7	0.7	THT	
O	STB-LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O	STB-300LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O	STB-LA/AM3	O		12	50	50	4	4	100	/	10	10	THT	
O	STB-250LA/ZR	O		5	250	380, 450	4	4	200	3	1	1.4	THT	
O	STB-LA/Zx	O		5	100 ~ 200	300 ~ 450	4	4	300	0.3	0.8	1.1	THT	
O	STB-250LA/Zx	O		5	250	450	4	4	200	3	1	1.4	THT	



STB-HA/A SHK-VBS6/S2 STK-600/M-PFF&PSF&PSS STK-600/M-MPFF&MPSP



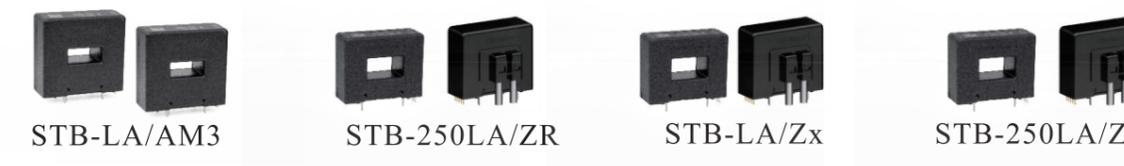
STB-LA STB-LA/N1 STB-LA/A STB-LA/B



STB-LA/D STB-LA/DF&DH STB-LA/E STB-LA/F



STB-LA/S&SF STB-LA/SF STB-LA/M STB-300LA/M



STB-LA/AM3 STB-250LA/ZR STB-LA/Zx STB-250LA/Zx

◎ Variable frequency drives / 变频驱动

Technology	Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangc (%FS)	Connction	Application
		Voltage	Digital	Current											
O	STK-BS1	O			±15	100~600	300~900	4	4	50~150	2~7	1	2	THT	Variable frequency drive
O	STK-BS2	O			±15	500	900	4	4	50	5	1	1	THT	
O	STK-BS6	O			±15	50~600	150~900	4	4	50	5	1	1	THT	
O	STK-BS9	O			±15	50~600	150~900	4	4	50~150	3	1	2	THT	
O	STK-BS10	O			±15	100~600	300~900	4	4	50~150	2~4	1	2	THT	
O	STK-BS/S1	O			5	50~600	150~1100	4	3.3	60	3.5	1	3.5	THT	
O	STK-BS/S2	O			5	50~600	150~1100	4	3.3	60	3.5	1	3.5	THT	
O	STK-BS/S3	O			5	50~600	150~1100	4	3.3	250	3.5	1	3.5	THT	
O	STK-BS/H	O			±15	50~400	150~600	4	2.5	50	3	1	3	THT	
O	STK-BS/H4	O			15	50~100	150~450	4	2.5	50	3	1	2	THT	
O	STK-BS/A	O			±12~±15	300~1000	900~3000	4	5	25	3	1	1	THT	
O	STK-BS1B	O			±15	100~600	300~900	4	4	70~150	2~4	1	2	THT	
O	STK-BS1L	O			±15	100~600	300~900	4	4	70~150	2~4	1	2	THT	
O	STK-BS/T	O			±12~±15	200~1500	600~2500	4	4.9	25	5	1	1	Clamping	
O	STK-BS/X	O			±12~±15	500~2500	1500~5500	4	4	25	5	1	1	Clamping	
O	STK-BS/X2	O			±15	3000~6000	4500~12000	4	5.6	1	0.2	1	1	Clamping	
O	STK-BS/X4	O			±12~±15	500~2500	1500~5500	4	5	25	5	1	1	Clamping	
O	STK-BS/X5	O			±12~±15	500~2500	1500~5500	4	4	25	5	1	1	Clamping	
O	STK-BS/X6	O			±12~±15	500~2500	1500~5500	4	5	25	5	1	1	Clamping	
O	STK-BS/X7	O			±12~±15	1200~3000	3600~5500	4	5	25	5	1	1	Clamping	



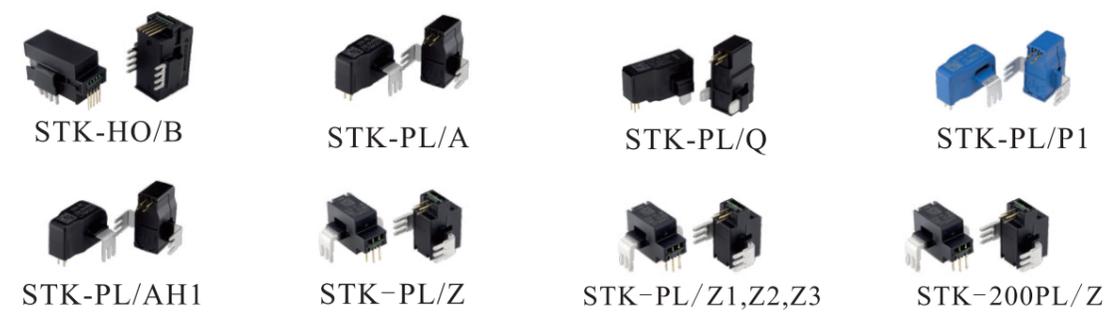
◎ Variable frequency drives / 变频驱动

Technology	Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangc (%FS)	Connction	Application
		Voltage	Digital	Current											
O	STB-LF	O			±12~±15	100~200	200~420	4	4	100	0.5	0.3	0.2	Clamping	Variable frequency drive
O	STB-LF2	O			±12~±15	200~300	500~600	4	5	100	1	0.3	0.3	Clamping	
O	STB-LF/2	O			±15~±18	500	800	4	4.95	100	0.5	0.4	0.4	Clamping	
O	STB-LF/3	O			±15	366	950	4	3	100	1	0.42	0.42	Clamping	
O	STB-LF4	O			±12~±20	300	500	4	3.8	100	1	0.5	0.5	Clamping	
O	STB-LF4-A	O			±24	300	860	4	3.8	100	1	0.47	0.47	Clamping	
O	STB-LF4-B	O			±12~±20	300	500	4	3.8	100	1	0.47	0.47	Clamping	
O	STB-LF5	O			±15~±24	500	800	4	3.8	200	0.5	0.5	0.6	Clamping	
O	STB-LF5-A	O			±15~±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O	STB-LF5-B	O			±15~±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O	STB-LF5-S	O			±24	622	1700	4	3	100	1	0.6	0.6	Clamping	
O	STB-LF6	O			±15~±24	1000	1500	4	3.8	200	0.5	0.4	0.4	Clamping	
O	STB-LF7	O			±15	180	540	4	2.5	100	1	1.2	1.2	Clamping	
O	STB-LF8	O			±15	88	240	4	2.5	100	1	1.2	1.2	Clamping	
O	STB-LF9	O			±15~±20	300	700	3	3	100	1	0.3	0.36	Clamping	



◎ Variable frequency drives / 变频驱动

Technology	Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>ESD</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trangc (%FS)	Connction	Application
		Voltage	Digital	Current											
O	STK-HO/B	O			5	50~180	125~350	4	4	1000	0.2	1	3	THT	Variable frequency drive
O	STK-PL/A	O			5	10~50	25~125	5	4	400	1.5	1	2	THT	
O	STK-PL/Q	O			5	50	50	5	4	300	1.5	1.5	3	THT	
O	STK-PL/P1	O			3.3	10~50	30~150	5	4	400	1.5	1	2	THT	
O	STK-PL/AH1	O			5	10~50	25~125	5	4	400	1.5	1	2	THT	
O	STK-PL/Z	O			3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT	
O	STK-50PL/Z1	O			5	50	150	4	5	400	1.5	1	3	THT	
O	STK-100PL/Z2	O			5	100	200	4	5	400	1.5	1	3	THT	
O	STK-50PL/Z3	O			3.3	50	150	4	5	400	1.5	1	3	THT	
O	STK-200PL/Z	O			5	200	500	4	5	300	1.5	1	2	THT	





## UPS APPLICATION(Uninterruptible Power Supply)

不间断电源应用

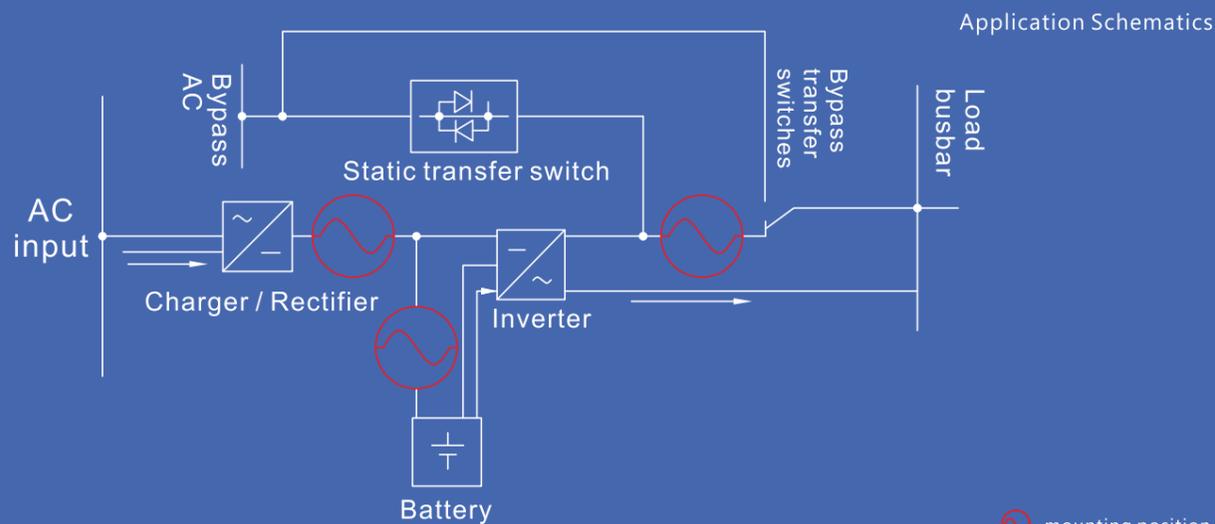
- High precision
- Fast response time
- Wide frequency bandwidth
- Wide detection range

精度高

快速响应时间

频率带宽较宽

检测范围广



mounting position

### ◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology	Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
		Open-loop	Closed-loop	Fluxgate											
O	STK-600/M-MPPF&MPSF	O		5, 3.3	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	Uninterruptible Power Supply (UPS)	
O	STK-600-M-PFF&PSF&PSS	O		5, 3.3	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT		
O	STK-BS1	O		±15	100 ~ 600	300 ~ 900	4	4	50 ~ 150	2 ~ 7	1	2	THT		
O	STK-BS2	O		±15	500	900	4	4	50	5	1	1	THT		
O	STK-BS6	O		±15	50 ~ 600	150 ~ 900	4	4	50	5	1	1	THT		
O	STK-BS9	O		±15	50 ~ 600	150 ~ 900	4	4	50 ~ 150	3	1	2	THT		
O	STK-BS10	O		±15	100 ~ 600	300 ~ 900	4	4	50 ~ 150	2 ~ 4	1	2	THT		
O	STK-BS/S1	O		5	50 ~ 600	150 ~ 1100	4	3.3	60	3.5	1	3.5	THT		
O	STK-BS/S2	O		5	50 ~ 600	150 ~ 1100	4	3.3	60	3.5	1	3.5	THT		
O	STK-BS/S3	O		5	50 ~ 600	150 ~ 1100	4	3.3	250	3.5	1	3.5	THT		
O	STK-BS/H	O		±15	50 ~ 400	150 ~ 600	4	2.5	50	3	1	3	THT		
O	STK-BS/H4	O		15	50 ~ 100	150 ~ 450	4	2.5	50	3	1	2	THT		
O	STK-BS/A	O		±12 ~ ±15	300 ~ 1000	900 ~ 3000	4	5	25	3	1	1	THT		
O	STK-BS1B	O		±15	100 ~ 600	300 ~ 900	4	4	70 ~ 150	2 ~ 4	1	2	THT		
O	STK-BS1L	O		±15	100 ~ 600	300 ~ 900	4	4	70 ~ 150	2 ~ 4	1	2	THT		
O	STK-BS/T	O		±12 ~ ±15	200 ~ 1500	600 ~ 2500	4	4.9	25	5	1	1	Clamping		
O	STK-BS/T5	O		±15	163 ~ 2184	500 ~ 2500	4	4.9	25	5	1	1	Clamping		
O	STK-BS/X	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	4	25	5	1	1	Clamping		
O	STK-BS/X2	O		±15	3000 ~ 6000	4500 ~ 12000	4	5.6	1	0.2	1	1	Clamping		
O	STK-BS/X4	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	5	25	5	1	1	Clamping		
O	STK-BS/X5	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	4	25	5	1	1	Clamping		
O	STK-BS/X6	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	5	25	5	1	1	Clamping		
O	STK-BS/X7	O		±12 ~ ±15	1200 ~ 3000	3600 ~ 5500	4	5	25	5	1	1	Clamping		

### ◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology	Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
		Open-loop	Closed-loop	Fluxgate											
O	STK-HD/P	O		5, 3.3	5 ~ 30	12.5 ~ 75	4	4	600	1	1	3	THT	Uninterruptible Power Supply (UPS)	
O	STK-HD/S	O		5	3 ~ 10	7.5 ~ 25	4	4	800	0.4	0.8	1.5	THT		
O	STK-HD/C	O		5	20 ~ 40	NA	4	4	400	1	1	3	THT		
O	STK-HD/K	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT		
O	STK-HD/KA	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT		
O	STK-HD/KS	O		3.3	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT		
O	STK-HD/P1/x	O		5	20 ~ 30	20 ~ 50	4	4	600	1	1	3	THT		
O	STK-HD/P3	O		5	20	20	4	4	600	1	1	3	THT		
O	STK-HD/P4	O		5	20	50	4	4	600	1	1	3	THT		
O	STK-HD/SG	O		5	15	NA	4	4	600	0.4	0.8	1.5	THT		
O	STK-HD/P/G	O		5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT		
O	STK-PL/A	O		5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT		
O	STK-PL/Q	O		5	50	50	5	4	300	1.5	1.5	3	THT		
O	STK-PL/P1	O		3.3	10 ~ 50	30 ~ 150	5	4	400	1.5	1	2	THT		
O	STK-PL/AH1	O		5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT		
O	STK-PL/Z	O		3.3, 5	50 ~ 180	125 ~ 450	4	5	400	1.5	1	2	THT		
O	STK-50PL/Z1	O		5	50	150	4	5	400	1.5	1	3	THT		
O	STK-100PL/Z2	O		5	100	200	4	5	400	1.5	1	3	THT		
O	STK-50PL/Z3	O		3.3	50	150	4	5	400	1.5	1	3	THT		
O	STK-200PL/Z	O		5	200	500	4	5	300	1.5	1	2	THT		





◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology	Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
		Voltage	Current											
O	STK-HO	O		5	60~150	150~375	4	4	200	2	1.5	3	THT	Uninterruptible Power Supply (UPS)
O	STK-HO/2	O		5	60~250	150~625	4	4.3	200	1.5	1	3	THT	
O	STK-HO/4	O		5	50~250	125~625	4	4.3	200	1.5	1	3	THT	
O	STK-HO/1	O		5	100~200	300~600	4	4.3	200	2	1	3	THT	
O	STK-HO/P	O		5	50~400	150~600	4	4.3	50	5	1	3	THT	
O	STK-HO/B	O		5	50~180	125~350	4	4	1000	0.2	1	3	THT	
O	STK-200HO/YS	O		5	±200	1250	4	5.4	180	3	3.3	4	THT	
O	STK-500HO/YS	O		5	±500	1250	4	5.4	180	3	3.3	4	THT	
O	STB-CAS/x	O		5	15~75	51~220	4	5	400	0.3	0.8	2.5	THT	
O	STB-CAS/F	O		5	6~75	20~220	4	5	400	0.3	0.8	1.4	THT	
O	STB-CAS/FA	O		5	6~75	20~220	4	4	400	0.3	0.8	1.1	THT	
O	STB-CAS/K-FC	O		5	25~50	85~150	4	4	400	0.3	0.8	1.1	THT	
O	STB-CAS/RH	O		5	25	85	4	4	400	0.3	0.8	1.15	THT	
O	STB-CAS/FB	O		5	25	50.1	4	8	200	1	0.5	0.5	THT	



◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology	Type	Out		Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
		Voltage	Current											
O	STB-HA	O		±15	3~40	9~120	4	4	150	1.5	0.8	0.8	THT	Uninterruptible Power Supply (UPS)
O	STB-HA/A	O		±15	10~60	30~180	4	4	150	1.5	0.8	0.8	THT	
O	STB-HA/Y	O		±15	50	150	4	4	150	1.5	0.8	0.8	THT	
O	STB-25HA1	O		±15	25	75	4	NA	150	1.5	1.5	1.5	THT	
O	STB-50HA7	O		±15	50	150	4	NA	150	1.5	1.5	1.5	THT	
O	STB-LA		O	±12~±15	50~150	200~240	4	4	150	0.5	0.5	0.5	THT	
O	STB-LA/N1		O	±12~±15	25~100	55~200	4	4	150	0.5	NA	0.5	THT	
O	STB-LA/A		O	5	25	25	4	4	200	0.3	10	10	THT	
O	STB-LA/B		O	±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1	THT	
O	STB-LA/D		O	±12~±15	25~100	55~175	4	4	150	0.5	0.5	1.5	THT	
O	STB-LA/DF		O	±12~±15	25~100	55~175	4	5	150	0.5	0.5	NA	THT	
O	STB-50LA/DH		O	±12~±15	50	128	4	4	150	0.5	0.3	0.3	THT	
O	STB-LA/E		O	±15	200	NA	NA	3	100	1	0.5	0.6	THT	
O	STB-LA/F		O	±15	230	425, 220	NA	3	100	1	0.5	0.5	THT	
O	STB-LA/S		O	5	100	220	4	4	300	0.5	0.8	1.1	THT	
O	STB-LA/SF		O	5	100	200	4	4	100	1	0.7	0.7	THT	
O	STB-LA/M		O	5	300	600	4	4	300	0.6	0.8	1.1	THT	
O	STB-300LA/M		O	5	300	600	4	4	300	0.6	0.8	1.1	THT	
O	STB-LA/AM3		O	12	50	50	4	4	100	/	10	10	THT	
O	STB-250LA/ZR		O	5	250	380, 450	4	4	200	3	1	1.4	THT	
O	STB-LA/Zx		O	5	100~200	300~450	4	4	300	0.3	0.8	1.1	THT	
O	STB-250LA/Zx		O	5	250	450	4	4	200	3	1	1.4	THT	
O	STK-LBS/6G		O	5	100~1000	100~1000	4	0.5	250	3	1	3.5	DIP	Uninterruptible Power Supply (UPS)
O	STK-LBS/S		O	3.3	200	200	4	1	250	3	1	2	SMT	
O	STK-LBS/S2		O	5	400~1500	400~1500	4	1	250	3	1.5	3.5	SMT	



◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology			Out	Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	UESD (kV)	Ud (kV)	BW (kHz)	t <sub>r</sub> (μs)	X@IPN TA=25°C (%FS)	X_Trance (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate												
O				±12 ~ ±15	100 ~ 200	200 ~ 420	4	4	100	0.5	0.3	0.2	Clamping	Uninterruptible Power Supply (UPS)
O				±12 ~ ±15	200 ~ 300	500 ~ 600	4	5	100	1	0.3	0.3	Clamping	
O				±15 ~ ±18	500	800	4	4.95	100	0.5	0.4	0.4	Clamping	
O				±15	366	950	4	3	100	1	0.42	0.42	Clamping	
O				±12 ~ ±20	300	500	4	3.8	100	1	0.5	0.5	Clamping	
O				±24	300	860	4	3.8	100	1	0.47	0.47	Clamping	
O				±12 ~ ±20	300	500	4	3.8	100	1	0.47	0.47	Clamping	
O				±15 ~ ±24	500	800	4	3.8	200	0.5	0.5	0.6	Clamping	
O				±15 ~ ±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O				±15 ~ ±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O				±24	622	1700	4	3	100	1	0.6	0.6	Clamping	
O				±15 ~ ±24	1000	1500	4	3.8	200	0.5	0.4	0.4	Clamping	
O				±15	180	540	4	2.5	100	1	1.2	1.2	Clamping	
O				±15	88	240	4	2.5	100	1	1.2	1.2	Clamping	
O				±15 ~ ±20	300	700	3	3	100	1	0.3	0.36	Clamping	



STB-LF



STB-LF2



STB-LF/2



STB-LF/3



STB-LF4



STB-LF4-A



STB-LF4-B



STB-LF5



STB-LF5-B



STB-LF5-A



STB-LF5-S



STB-LF6



STB-LF7



STB-LF8



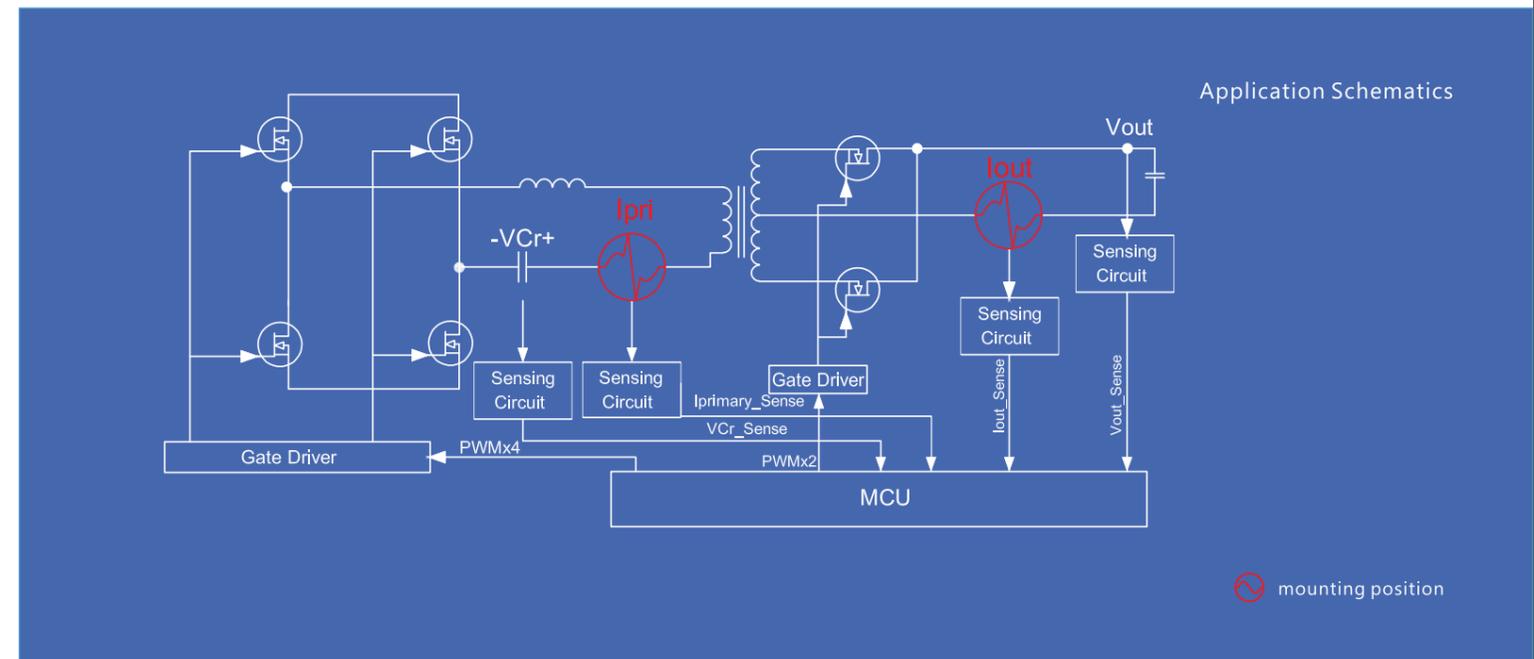
STB-LF9



HFCT APPLICATION

05

高频应用



Application Schematics

mounting position

# 06

## 无磁芯方案

- Very high frequency bandwidth, 2 MHz
- Very fast response time, 50 ns
- Coreless design enables the small dimensions
- OCD (over current detection) function available
- Common-mode field rejection. (core-less design)



频带宽度高达2 MHz  
响应时间在50ns以内  
无磁芯设计，尺寸小  
具有OCD（过流检测）功能  
共模场抑制（无芯设计）

### ◎ Features

- Frequency bandwidth of up to 150 ~ 2000 kHz
- Response time of down to 0.05 ~ 1.5  $\mu$ s
- Open loop design
- Coreless design enables the small dimensions
- Differential magnetic field detection design supports the common-mode field rejection.
- OCD (over current detection) function available
- Support supply voltage of 3.3 V or 5.0 V

频带宽度高达150~2000 kHz  
响应时间可达0.05~1.5  $\mu$ s  
开环设计  
无芯设计实现了最小尺寸  
不同的磁场检测设计支持共模场抑制  
具有OCD（过流检测）功能  
支持3.3伏或5.0伏电源电压

### ◎ Application

- Solar energy
- Motor driver
- Uninterruptible power supply
- Switching Mode Power supply
- EV charger
- EV OBC
- EV DC/DC

太阳能  
电机驱动器  
不间断电源  
开关模式电源  
电动车充电器  
车载充电机  
电动车直流-直流检测

### ◎ High Frequency / 高频应用

Technology	Type	Out			Vcc (V)	I <sub>pn</sub> (A)	I <sub>pm</sub> (A)	U <sub>iso</sub> (kV)	U <sub>d</sub> (kV)	BW (kHz)	t <sub>r</sub> ( $\mu$ s)	X@I <sub>pn</sub> T <sub>a</sub> =25°C (%FS)	X <sub>T</sub> Range (%FS)	Connction	Application
		Voltage	Digital	Current											
O	STK-616TMF5	o			3.3, 5	10 ~ 133	10 ~ 133	4	3.6	1500	0.6	1.5	3.5	SMT	High Frequency
O	STK-616ZMF	o			3.3, 5	10 ~ 65	10 ~ 65	4	3.6	2000	0.05	1.5	3.5	SMT	
O	STK-616KMF	o			3.3, 5	20 ~ 65	20 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT	
O	STK-HD/KA	o			5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O	STK-HD/SG	o			5	15	NA	4	4	600	0.4	0.8	1.5	THT	
O	STK-HD/P/G	o			5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT	
O	STK-HO/B	o			5	50 ~ 180	125 ~ 350	4	4	1000	0.2	1	3	THT	
O	STB-LF		o		$\pm$ 12 ~ $\pm$ 15	100 ~ 200	200 ~ 420	4	4	1000	0.5	0.3	0.2	Clamping	



STK-616TM&KM



STK-616ZMF



STK-HD/KA



STK-HD/SG



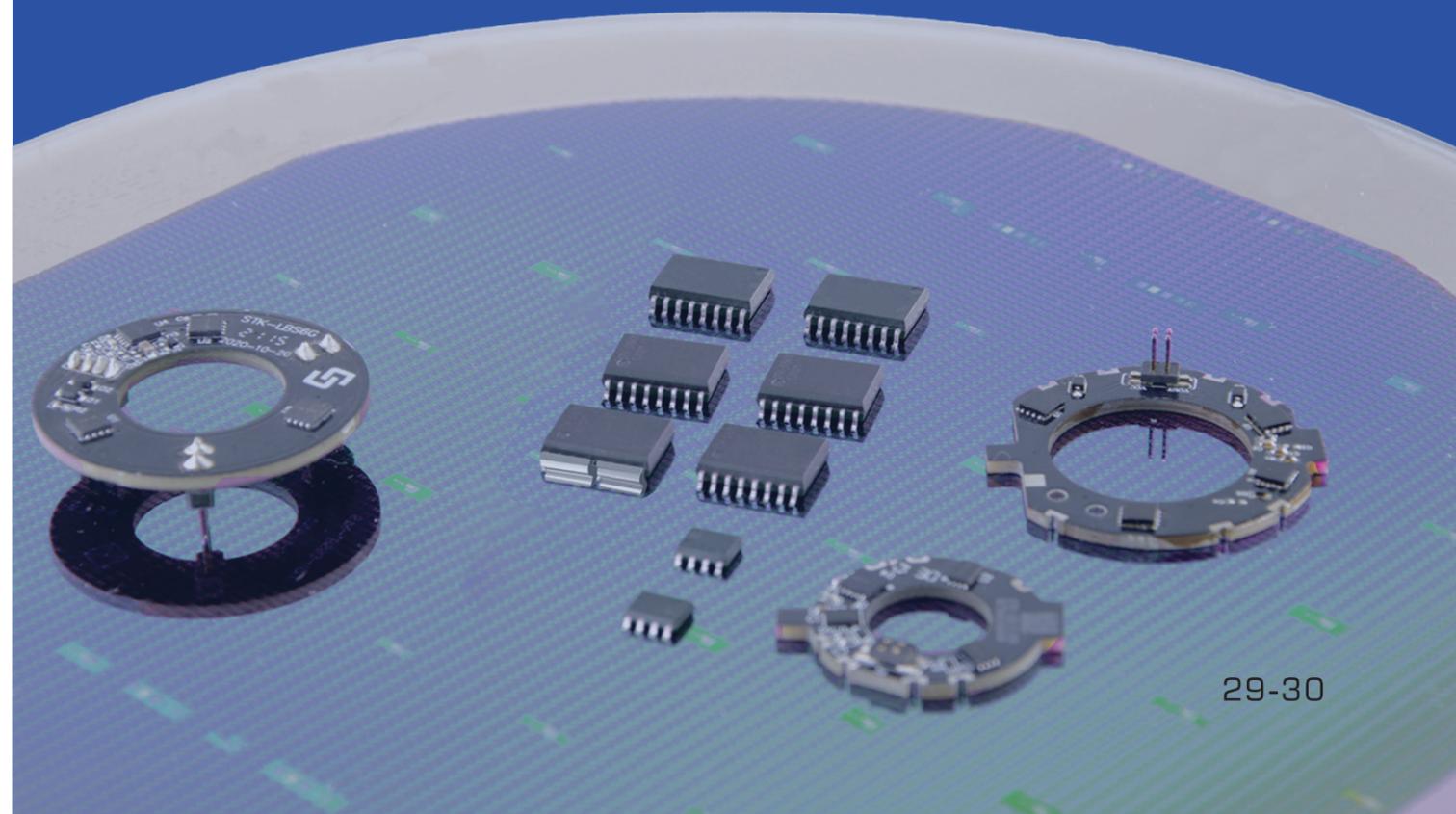
STK-HD/P/G



STK-HO/B



STB-LF



◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current	Supply Voltage	Sensitivity	Frequency Bandwidth -3dB	Step Response time	Clearance	X_TRange (%FS)
		I <sub>pm</sub> (A)	V <sub>cc</sub> (A)	Gain (mV/A, mA/A)	f <sub>band</sub> (kHz)	t <sub>r</sub> (us)	d <sub>CI</sub> (mm)	Acc (%FS)
STK-LBS/S	STK-200LBS/S	±200	3.3	6	250	3	1	2
STK-LBS/S2	STK-400LBS/S2	±400	5	5	250	3	1	3.5
	STK-500LBS/S2	±500	5	4	250	3	1	3.5
	STK-600LBS/S2	±600	5	3.33	250	3	1	3.5
	STK-800LBS/S2	±800	5	2.5	250	3	1	3.5
	STK-1000LBS/S2	±1000	5	2	250	3	1	3.5
STK-LBS/6G	STK-1500LBS/S2	±1500	5	1.33	250	3	1	3.5
	STK-100LBS/6G	±100	5	20	250	3	0.5	3.5
	STK-200LBS/6G	±200	5	10	250	3	0.5	3.5
	STK-300LBS/6G	±300	5	6.66	250	3	0.5	3.5
	STK-400LBS/6G	±400	5	5	250	3	0.5	3.5
	STK-500LBS/6G	±500	5	4	250	3	0.5	3.5
	STK-600LBS/6G	±600	5	3.33	250	3	0.5	3.5
	STK-700LBS/6G	±700	5	2.85	250	3	0.5	3.5
STK-800LBS/6G	±800	5	2.5	250	3	0.5	3.5	
STK-900LBS/6G	±900	5	2.22	250	3	0.5	3.5	
STK-1000LBS/6G	±1000	5	2	250	3	0.5	3.5	



STK-LBS/S



STK-LBS/S2



STK-LBS/6G

◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current	Supply Voltage	Sensitivity	Frequency Bandwidth -3dB	Step Response time	Clearance	OCF Function	Trigger Delay	Trigger Holding	X_TRange (%FS)	PRODUCT PACKAGE
		I <sub>pn</sub> (A)	V <sub>cc</sub> (V)	Gain (mV/A, mA/A)	f <sub>band</sub> (kHz)	t <sub>r</sub> (us)	d <sub>CI</sub> (mm)	OCF	t <sub>mask</sub> (us)	t <sub>hold</sub> (ms)	Acc (%FS)	
STK-616AM	STK-616A-25MLB5	±25	5	48	600	0.9	8.5	YES	0-3	0-4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50MLB5	±50	5	24	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-60MLB5	±60	5	20	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-80MLB5	±80	5	15	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-100MLB5	±100	5	12	600	0.9	8.5	YES	0-3	0-4.5	3.5	
STK-616AM3	STK-616A-50ML3B5	±50	5	40	600	0.9	8.5	YES	0-3	0-4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML3B3	±50	3.3	26.4	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-50ML3U5	50	5	80	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-66ML3B5	±66	5	30	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-75ML3B5	±75	5	26.6	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-80ML3B5	±80	5	25	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-90ML3B5	±90	5	22.2	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-95ML3U5	95	5	42.1	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-100ML3U5	100	5	20	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-100ML3B5	±100	5	40	600	0.9	8.5	YES	0-3	0-4.5	3.5	
STK-616AM5	STK-616A-120ML3B5	±120	5	16.5	600	0.9	8.5	YES	0-3	0-4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-150ML3B5	±150	5	13.3	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-180ML3B5	±180	5	11.1	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-25ML5B5	±25	5	80	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-50ML5B5	±50	5	40	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-60ML5B5	±60	5	33.3	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-80ML5B5	±80	5	25	600	0.9	8.5	YES	0-3	0-4.5	3.5	
STK-616A-100ML5B5	±100	5	20	600	0.9	8.5	YES	0-3	0-4.5	3.5		
STK-616A-120ML5B5	±120	5	15	600	0.9	8.5	YES	0-3	0-4.5	3.5		
STK-616A-200ML5B5	±200	5	10	600	0.9	8.5	YES	0-3	0-4.5	3.5		

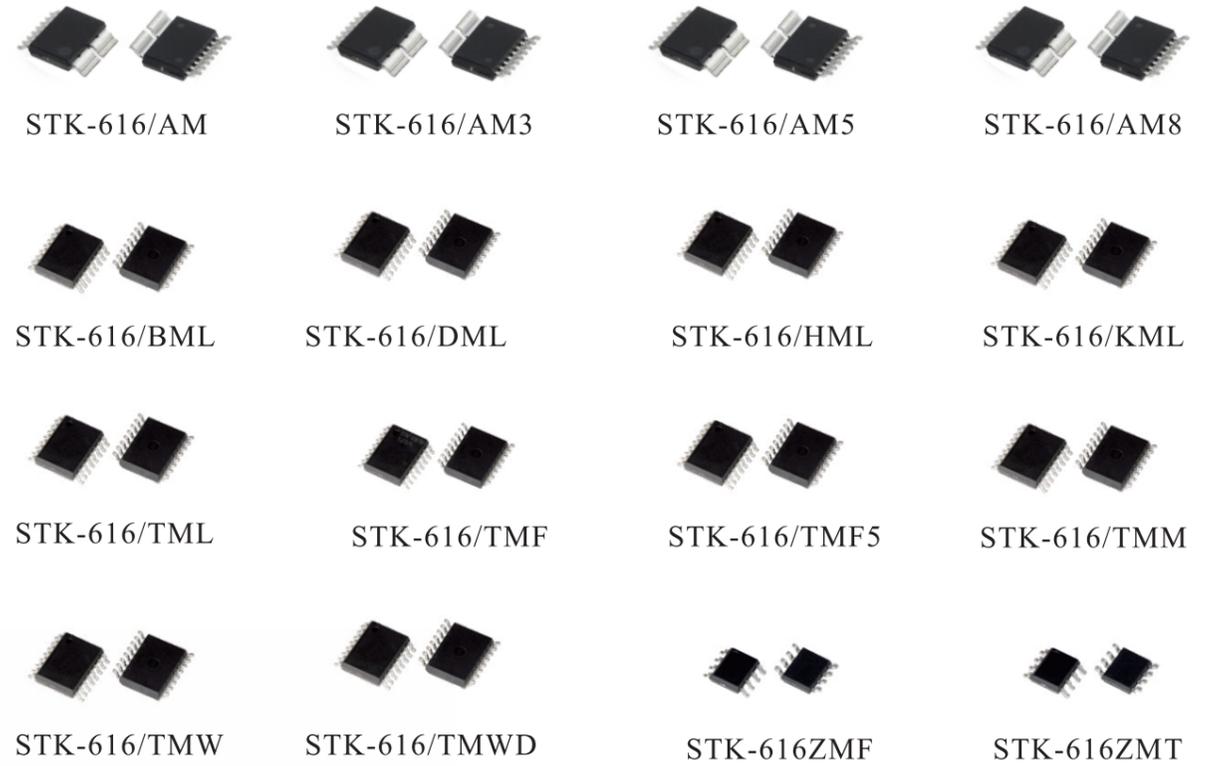
◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current	Supply Voltage	Sensitivity	Frequency Bandwidth -3dB	Step Response time	Clearance	OCF Function	Trigger Delay	Trigger Holding	X_TRange (%FS)	PRODUCT PACKAGE
		I <sub>pn</sub> (A)	V <sub>cc</sub> (V)	Gain (mV/A, mA/A)	f <sub>band</sub> (kHz)	t <sub>r</sub> (us)	d <sub>CI</sub> (mm)	OCF	t <sub>mask</sub> (us)	t <sub>hold</sub> (ms)	Acc (%FS)	
STK-616AM5	STK-616A-25ML5B3	±25	3.3	52.8	600	0.9	8.5	YES	0-3	0-4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML5B3	±50	3.3	26.4	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-55ML5B3	±55	3.3	24	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-60ML5B3	±60	3.3	33.3	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-80ML5B3	±80	3.3	16.5	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-100ML5B3	±100	3.3	13.2	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-50ML5U5	50	5	80	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-80ML5U5	80	5	80	600	0.9	8.5	YES	0-3	0-4.5	3.5	
STK-616AM8	STK-616A-100ML5U3	100	3.3	26.4	600	0.9	8.5	YES	0-3	0-4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML8B5	±50	5	40	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-80ML8B5	±50	5	25	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-90ML8B5	±90	5	22.2	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-100ML8B5	±100	5	20	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-133ML8B5	±133	5	15	600	0.9	8.5	YES	0-3	0-4.5	3.5	
	STK-616A-50ML8B3	±50	3.3	26.4	600	0.9	8.5	YES	0-3	0-4.5	3.5	
STK-616BML	STK-616A-100ML8B3	±100	3.3	13.2	600	0.9	8.5	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616B-6.5MLB5	±6.5	5	200	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616B-13MLB5	±13	5	100	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616B-15MLB5	±15	5	90	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616B-28MLB5	±28	5	48	600	0.9	8	YES	0-3	0-4.5	3.5	
STK-616DML	STK-616B-56MLB5	±56	5	24	600	0.9	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616B-65MLB5	±65	5	20.5	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616D-12MLB3	±12.5	3.3	37	600	0.9	7.5	YES	0-3	0-4.5	3.5	
	STK-616D-20MLB3	±20	3.3	25	600	0.9	7.5	YES	0-3	0-4.5	3.5	
	STK-616D-25MLB3	±25	3.3	18.5	600	0.9	7.5	YES	0-3	0-4.5	3.5	
STK-616HML	STK-616D-6MLB5	±6	5	151	600	0.9	7.5	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616D-12MLB5	±12.5	5	56	600	0.9	7.5	YES	0-3	0-4.5	3.5	
	STK-616D-25MLB5	±25	5	28	600	0.9	7.5	YES	0-3	0-4.5	3.5	
	STK-616H-10MLB5	±10	5	80	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616H-15MLB5	±15	5	53.33	600	0.9	8	YES	0-3	0-4.5	3.5	
STK-616KMF	STK-616H-20MLB5	±20	5	40	600	0.9	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616H-30MLB5	±30	5	26.67	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616K-20MFB3	±20	3.3	66	1500	0.2	7.5	YES	0-3	0-4.5	3	
	STK-616K-30MFB5	±30	5	66.6	1500	0.2	7.5	YES	0-3	0-4.5	3	
	STK-616K-40MFB3	±40	3.3	33	1500	0.2	7.5	YES	0-3	0-4.5	3	
STK-616TML	STK-616K-65MFB3	±65	3.3	20.3	1500	0.2	7.5	YES	0-3	0-4.5	3	SOIC16W Like 10.3 × 10.3 mm
	STK-616K-40MFB5	±40	5	50	1500	0.2	7.5	YES	0-3	0-4.5	3	
	STK-616T-20MLB5	±20	5	100	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-30MLB5	±30	5	66	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-40MLB5	±40	5	50	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-50MLB5	±50	5	40	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-65MLB5	±65	5	30.8	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-75MLB5	±75	5	26.7	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-100MLB5	±100	5	20	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-133MLB5	±133	5	15	600	0.9	8	YES	0-3	0-4.5	3.5	
STK-616TMF	STK-616T-10MLB3	±10	3.3	132	600	0.9	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-20MLB3	±20	3.3	66	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-30MLB3	±30	3.3	44	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-33MLB3	±33	3.3	39.6	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-40MLB3	±40	3.3	33	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-65MLB3	±65	3.3	20.3	600	0.9	8	YES	0-3	0-4.5	3.5	
	STK-616T-10MFB5	±10	5	200	1500	0.6	8	YES	0-3	0-4.5	3.5	
	STK-616T-20MFB5	±20	5	100	1500	0.6	8	YES	0-3	0-4.5	3.5	
	STK-616T-40MFB5	±40	5	50	1500	0.6	8	YES	0-3	0-4.5	3.5	
	STK-616T-50MFB5	±50	5	40	1500	0.6	8	YES	0-3	0-4.5		

◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current		Sensitivity	Frequency Bandwidth _3dB	Step Response time	Clearance	OCD Function	Trigger Delay	Trigger Holding	X_TrRange (%FS)	PRODUCT PACKAGE		
		I <sub>pn</sub> (A)	V <sub>cc</sub> (V)										Gain (mV/A, mA/A)	f <sub>band</sub> (kHz)
STK-616TMF5	STK-616T-10MFB5	±10	5	200	1500	0.6	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm		
	STK-616T-20MFB5	±20	5	100	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-40MFB5	±40	5	50	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-50MFB5	±50	5	40	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-65MFB5	±65	5	30.8	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-100MFB5	±100	5	20	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-133MFB5	±133	5	15	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-10MFB3	±10	3.3	132	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-20MFB3	±20	3.3	66	1500	0.6	8	YES	0-3	0-4.5	3.5			
	STK-616T-40MFB3	±40	3.3	33	1500	0.6	8	YES	0-3	0-4.5	3.5			
STK-616TMM	STK-616T-40MWB5	±40	5	50	600	0.2	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm		
	STK-616T-65MWB5	±65	5	30.8	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-20MWB3	±20	3.3	66	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-40MWB3	±40	3.3	33	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-65MWB3	±65	3.3	20.3	600	0.2	8	YES	0-3	0-4.5	3.5			
STK-616TMW	STK-616T-20MWB5	±20	5	100	600	0.2	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm		
	STK-616T-40MWB5	±2A	5	1000	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-40MWB5	±40	5	50	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-40MWB5	±4A	5	500	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-65MWB5	±6.5	5	30.8	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-65MWB5	±6.5	5	308	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-20MWB3	±20	3.3	66	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-20MWB3	±2	3.3	660	600	0.2	8	YES	0-3	0-4.5	3.5			
STK-616TMWD	STK-616T-40MWB3	±40	3.3	33	600	0.2	8	YES	0-3	0-4.5	3.5	SOIC16W Like 10.3 × 10.3 mm		
	STK-616T-40MWB3	±4	3.3	330	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-65MWB3	±6.5	3.3	20.3	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-65MWB3	±6.5	3.3	203	600	0.2	8	YES	0-3	0-4.5	3.5			
	STK-616T-20MWDB5	±20	5	40	600	0.2	8	NO	N/A	N/A	3.5			
	STK-616T-40MWDB5	±40	5	20	600	0.2	8	NO	N/A	N/A	3.5			
STK-616ZMF	STK-616Z-10MFB5	±10	5	200	2000	0.05	4.2	NO	N/A	N/A	3.5	SOIC8 Like 4.9 × 6.0 mm		
	STK-616Z-10MFB3	±10	3.3	132	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-20MFB5	±20	5	100	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-20MFB3	±20	3.3	66	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-25MFB3	±25	3.3	52.8	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-25MFB5	±25	5	80	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-30MFB3	±30	3.3	44	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-30MFB5	±30	5	66.7	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-30MFU5	30	5	133.3	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-30MFU3	30	3.3	88	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-40MFB3	±40	3.3	33	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-40MFB5	±40	5	50	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-50MFB5	±50	5	40	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-50MFU3	50	3.3	52.8	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-50MFB3	±50	3.3	26.4	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-50MFU5	50	5	88	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-65MFB3	±65	3.3	30	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616Z-65MFB5	±65	5	30	2000	0.05	4.2	NO	N/A	N/A	3.5			
	STK-616ZMT	STK-616Z-10MTB5	±10	5	200	2000	0.05	4.2	NO	N/A	N/A		3.5	SOIC8 Like 4.9 × 6.0 mm
		STK-616Z-20MTB5	±20	5	100	2000	0.05	4.2	NO	N/A	N/A		3.5	
STK-616Z-30MTB5		±30	5	66.7	2000	0.05	4.2	NO	N/A	N/A	3.5			
STK-616Z-40MTB5		±40	5	50	2000	0.05	4.2	NO	N/A	N/A	3.5			
STK-616Z-50MTB5		±50	5	40	2000	0.05	4.2	NO	N/A	N/A	3.5			
STK-616Z-50MTB3		±50	3.3	26.4	2000	0.05	4.2	NO	N/A	N/A	3.5			

◎ Coreless Solution / 无磁芯方案





## Charging Piles / 充电桩

### 充电桩用数字式漏电流传感器系列

Residual Current Detection Sensor



产品系列	产品图	原边连接方式	电流量数量	产品型号	测量范围(A)	剩余电流规格	标准
Series	Structure	Pri. Style	Number of Pri.	Item No.	Measuring range(A)	Nominal differential current	Standard
SFG-CPL/A		Primary conductor 带电流线	4	SFG-0.3CPL/A	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A-B	0.3	5mA AC	UL2231 CCID5
				SFG-0.3CPL/A-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A2		Pass through opening 穿心(开口)	-	SFG-0.3CPL/A2	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A2-A	0.3	6mA DC	IEC 62955
				SFG-0.3CPL/A2-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A3		Pass through opening 穿心(开口)	-	SFG-0.3CPL/A3	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A3-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A4		Primary conductor 带电流线	2	SFG-0.3CPL/A4	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A4S		Primary conductor 带电流线	2	SFG-0.3CPL/A4S	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A4S-F	0.3	30mA AC	国标A型
SFG-CPL/A5		Pass through opening 穿心(开口)	-	SFG-0.3CPL/A5	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A5-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A6		Pass through opening 穿心(开口)	-	SFG-0.3CPL/A6	0.3	6mA DC 30mA AC	IEC 62752 IEC62955

产品系列	产品图	原边连接方式	电流量数量	产品型号	测量范围(A)	剩余电流规格	标准
Series	Structure	Pri. Style	Number of Pri.	Item No.	Measuring range(A)	Nominal differential current	Standard
SFG-CPL/A7		Primary conductor 带电流线	4	SFG-0.3CPL/A7	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A8		Primary conductor 带电流线	2	SFG-0.3CPL/A8	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A8-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A8S		Primary conductor 带电流线	2	SFG-0.3CPL/A8	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A8S-C	0.3	20mA AC	UL2231 CCID20
				SFG-0.3CPL/A8S-B	0.3	5mA AC	UL2231 CCID5
				SFG-0.3CPL/A8S-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A9		Primary conductor 带电流线	2	SFG-0.3CPL/A9	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A10		Primary conductor 带电流线	2	SFG-0.3CPL/A10	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A11		Primary conductor 带电流线	2+单路AC	SFG-0.3CPL/A11	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A15		Pass through opening 穿心(开口)	-	SFG-0.3CPL/A15	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/B		Primary conductor 带电流线	4	SFG-0.3CPL/B	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B-A	0.3	6mA DC 20mA AC	IEC62752 UL2231 CCID20
				SFG-0.3CPL/B-B	0.3	5mA AC 20mA AC	UL2231 CCID5 UL2231 CCID20
SFG-CPL/B1		Pass through opening 穿心(开口)	-	SFG-0.3CPL/B1	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B1-C	0.3	20mA AC 20mA AC	UL2231 CCID20
SFG-CPL/B2		Pass through opening 穿心(开口)	-	SFG-0.3CPL/B2	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B2-C	0.3	6mA DC 30mA AC	UL2231 CCID20

# 充电桩电源模块用电流传感器系列

Current Sensor for Charging Pile Power Module

## Current Sensors for Charging Piles

Applied Current Sensor		Applied Current Sensor			
Technology	TMR-closed loop	Technology	Fluxgate		
PN-01	STB-CAS	PN-01	STB-CAS/F		
PN-02	STB-CAS/R	PN-02	STB-CAS/R/F		
PN-03	STB-CAS/K	PN-03	STB-CAS/K/F		
V <sub>cc</sub>	5.0	V	V <sub>cc</sub>	5.0	V
I <sub>pn</sub>	15~75	A	I <sub>pn</sub>	6~75	A
I <sub>pm</sub>	51~220	A	I <sub>pm</sub>	20~220	A
F <sub>band</sub>	400	kHz	F <sub>band</sub>	400	kHz
t <sub>r</sub>	0.3	μs	t <sub>r</sub>	0.3	μs
Acc.	1.1~3.0	%FS	Acc.	1.1~3.0	%FS

Applied Current Sensor		Applied Current Sensor			
PN-01	STK-616A, STK-616H	PN-01	STK-HD/P, STK-HD/P/G		
PN-02	STK-616K, STK-616T	PN-02	STK-HD/K, STK-HD/K/G		
PN-03	STK-616TBF2	PN-03			
V <sub>cc</sub>	3.3 or 5.0	V	V <sub>cc</sub>	3.3 or 5.0	V
I <sub>pn</sub>	10~300	A	I <sub>pn</sub>	5.0~50	A
I <sub>pm</sub>	10~300	A	I <sub>pm</sub>	10~125	A
F <sub>band</sub>	500~1500	kHz	F <sub>band</sub>	600~1000	kHz
t <sub>r</sub>	0.2~0.9	μs	t <sub>r</sub>	1.0	μs
Acc.	3.0~3.5	%FS	Acc.	1.5~3.0	%FS

Applied Current Sensor		Applied Current Sensor			
PN-01	STK-PL/A STK-PL/Z	PN-01	STK-HO		
PN-02	STK-PL/M	PN-02			
PN-03	STK-PL/AG	PN-03			
V <sub>cc</sub>	5.0	V	V <sub>cc</sub>	5.0	V
I <sub>pn</sub>	10~180	A	I <sub>pn</sub>	60~150	A
I <sub>pm</sub>	25~450	A	I <sub>pm</sub>	150~375	A
F <sub>band</sub>	300~1000	kHz	F <sub>band</sub>	200	kHz
t <sub>r</sub>	0.2~1.5	μs	t <sub>r</sub>	2.0	μs
Acc.	2.0	%FS	Acc.	3.0	%FS

## Current Sensors for Charging Piles

Applied Current Sensor		Applied Current Sensor			
PN-01	STK-600/M-MPFF&MPSF	PN-01	STK-600/F		
PN-02	STK-600/M-PFF&PSF&PSS	PN-02			
PN-03		PN-03			
V <sub>cc</sub>	3.3 or 5.0	V	V <sub>cc</sub>	5.0	V
I <sub>pn</sub>	50, 100	A	I <sub>pn</sub>	50	A
I <sub>pm</sub>	50~400	A	I <sub>pm</sub>	200~400	A
F <sub>band</sub>	120	kHz	F <sub>band</sub>	1000	kHz
t <sub>r</sub>	4.6	μs	t <sub>r</sub>	0.4	μs
Acc.	3.5	%FS	Acc.	3.5	%FS

