

Certificate No. R50558617 0001

Our Reference CN221BOZ 001

Appendix No. 1.0

Constructional Data Form (CDF) for Electrical Appliances

Page 1 of 15

License holder	: GoodWe Technologies Co., Ltd.
License holder Address	: No.90 Zijin Rd., New District, Suzhou, 215011, P.R. China
Factory1	: GoodWe Technologies Co., Ltd.
Factory Address1	: No.90 Zijin Rd., New District, Suzhou, 215011, P.R. China
Factory2	: GoodWe (GuangDe) Power Supply Technology Co., Ltd.
Factory Address2	: No.208,Tong Rui East Road, Guangde, Anhui, P.R. China
Type of Appliance	: Hybrid Inverter
Type Designation	: GW15K-ET,GW20K-ET,GW25K-ET,GW29.9K-ET,GW30K-ET
Rating	: see model list
Protection Class	: Class I equipment
Supply connection	: <input checked="" type="checkbox"/> fixed power cord <input type="checkbox"/> permanent connection <input type="checkbox"/> appliance inlet <input type="checkbox"/> direct plug in <input type="checkbox"/> Special Connector

MODELS LIST		GW15K-ET	GW20K-ET	GW25K-ET	GW29.9K-ET	GW30K-ET
PV INPUT	V_{MAX} PV [Vdc]	1000				
	I_{SC} PV [A]	38/38		38/38/38		
	MPP Voltage Range V_{MPP} [Vdc]	200~850				
	Max. Input Current I_{MAX} [A]	30/30		30/30/30		
	MPP Full Power Voltage Range [Vdc]	400~850	400~850	450~850	450~850	450~850
	Start-up Voltage[Vdc]	200				
	Backfeed Current [A]	0				
	Overvoltage Category(OVC)	OVC II				
AC OUTPUT	Rated Output Voltage U_r [Vac]	380/400 , 3L/N/PE				
	Rated Output Frequency F_{NETZ} [Hz]	50/60				
	Rated Output Power P_E [kW]	15	20	25	29.9	30
	Rated Apparent Power S_E [kVA]	15	20	25	29.9	30
	Max. Apparent power $S_{E_{max}}$ [kVA]	16.5	22	27.5	29.9	33
	Rated Output Current I_r [A]	22.7	30.3	37.9	45.3	45.5
Max. Output Current I_{max} [A]	25	33.3	41.7	49.8	50	

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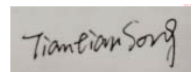
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09.07.2022

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Date

Name

Date

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Signature

Constructional Data Form (CDF) for Electrical Appliances

	Power Factor $\cos \phi$ [λ]	[-0.80. 0.80]				
	Efficiency max. η_{max}	98%				
	Standby Power Consumption [W]	<15				
	Night Power Consumption [W]	<15				
	THD [\sqrt{I}] (100% full power)	<3%				
	Acoustic Noise [dB]	<45		<60		
	Oversvoltage Category(OVC)	OVC III				
Back up	Max. Apparent power S_{Emax} [KVA]	15	20	25	29.9	30
	Rated Output Voltage U_r [Vac]	380/400 , 3L/N/PE				
	Max. Output Current	22.7	30.3	37.9	45.5	45.5
	Rated Output Frequency F_{NETZ} [Hz]	50/60				
Battery INPUT	$V_{MAX}BAT$ [Vdc]	800				
	Voltage Range	200~800				
	Start Voltage[Vdc]	200				
	Max. Discharge Current I_{MAX} [A]	50	50	50×2	50×2	50×2
	Max. Charge Current [A]	50	50	50×2	50×2	50×2
	Oversvoltage Category(OVC)	OVC II				
CONSTRUCTION	Type of inverter	Transformerless				
	MPPT strings	2				
	MPPT tracking	2	2	3	3	3
	Protective Class	I				
	Enclosure Protection (IP)	IP66				
	Operating Temperature Range [° C]	-35 to +60				
	Pollution degree (PD)	External PD3/Internal PD 2				
	Altitude [m]	4000				
	Size [mm]	660×520×220 (W*H*D)				
	Weight [kg]	48		54		

Constructional Data Form (CDF) for Electrical Appliances

Critical Components

Material: e.g. external enclosure, PCB, closed-end connector, sleeves, cord anchorage etc

Components with winding: e.g. motor, transformer, magnetic coil etc.

Other components: e.g. switch, thermostat, heater, plug, internal wire, capacitor, relay, varistor etc.

Object/part no.	Manufacturer/trademark	Type/model	Technical data	Standard	Mark(s) of conformity ¹ .
<i>Assembling parts</i>					
Internal connecting wires	WUXI XINHONGYE WIRE & CABLE CO LTD	1015 1032	12AWG, 2000V, 105°C 10AWG, 2000V, 105°C 8AWG, 2000V, 105°C	UL 758	E248566
	interchangeable	interchangeable	12AWG, 2000V, 105°C 10AWG, 2000V, 105°C 8AWG, 2000V, 105°C	UL 758	UL certificate
PV connector	Amphenol	H4CFD4TMS H4CMD4TMS H4CMB4TMS H4CFB4TMS	45A, 1000V, IP68	IEC/EN 62852	R 50388083
	Amphenol	H4LFB4TMS H4LMB4TMS H4LFD4TMS H4LMD4TMS	4.0mm ² , 39A, 1000Vd.c., IP68, V0, 90° C	IEC/EN 62852	R 50388083
	Dongguan Vaconn Electronic Technology Co., Ltd	VP-D4B-PSF VP-D4B-PHSM VP-D4B-CHSM VP-D4B-CSF	4 mm ² , 30A, 1100Vdc, IP68	IEC/EN 62852	R 50396796
	Dongguan Vaconn Electronic Technology Co., Ltd.	VP-D4B-CHDF4B VP-D4B-CHDM4B VP-D4B-PHDF4B VP-D4B-PHDM4B	10mm ² , 30A, 1100Vdc, IP68	IEC/EN 62852	R 50396796

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	QC Solar (Suzhou) Corporation	QC4.3 QC4.3 QC4.10 QC4.10	1000V/30A	IEC/EN 62852	B170977362004
	Stäubli Electrical Connectors AG	PV-ADSP4 PV-ADBP4 PV-KST4 PV-KBT4	45A, 1000Vdc,IP67 45A, 1250Vdc,IP68	IEC/EN 62852	R 60127190 R 60127181
	Phoenix Contact GmbH & Co.KG	PV-CF-S, PV-CM-S, PV-FT-CM-C, PV-FT-CF-C	2.5-6mm ² , 40A, 1100Vd.c., IP67	EN 50521	R 60126961
	Jiangxi Jinko PV Material Co.,Ltd	PV-JK01M/RB PV-JK01M/RB PV-JK00M1/2A PV-JK00M1/2A	45A 1100Vdc, 1500Vdc, IP68 45A 1100Vdc,IP68	EN/IEC 62852	R 50519334
Battery connector	Dongguan Vaconn Electronic Technology Co.,Ltd	VP-D4A-BCDEF	50A, 1100Vdc,IP67	EN/IEC 62852	R 50396796
AC connector	Jiangxi Huntet Electrical Technology Co.,Ltd.	RBH100-80- 10P+FG	80A/600V,IP67	EN60947-7-1	R50557795
	SHENZHEN CONNECTION ELECTRONIC CO., LTD.	DSTB16	80A/600V,IP67	EN60947	R50548991
DC switch	Beijing People's Electric Plant Co., Ltd.	GHX5-32P (not for Australia)	1100V, 50A, 6 pole (120*66*45)mm	EN60947-3	No. B171083266036
	Beijing People's Electric plant Co.,LTD	GHX6-55P (for Australia)	DC-PV2: 1100V,45A (122x66x45)mm	AS 60947.3	AZ 69025800
	Liangxin	NDG3V-50 (not for Australia)	1100V, 50A, 6 pole	EN/ IEC 60947-1 EN/ IEC 60947-3	N8A 083574 0315 Rev. 05

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	Zhejiang Benyi Electrical Co., Ltd.	BYSS.1-50h/T (not for Australia)	1100V, 50A, 6 pole	EN 60947-3	R 50425301
Heat shrink tubing of the wiring	Shenzhen WOER Heat-Shrinkable material co.,ltd	RSFR ϕ 6.0, ϕ 7.0, ϕ 9.0	600V, 125° C	UL 224	E203950
	Dong Guan Ling Free Hardware Plastics Product Co., LTD	RSFR	600V, 125° C	UL 224	E352366
	DONGGUAN SALIPT CO LTD	SALIPT S-901-600	600V, 125° C	UL 224	E209436
All PCB	Guangde Baoda Precision PCB Co.,Ltd	BD-M94V-0	V-0 min., 130°C min., CTI \geq 175	UL 796 UL 94	E465142
	interchangeable	interchangeable	V-0 min., 130°C min., CTI \geq 175	UL 796 UL 94	UL certificate
Metal enclosure	Various	Various	Min thick.2.0mm, Aluminum	IEC62109	Test with appliance
FAN	NMB	09225VE-12K-CU-01	DC fan 12VDC 2.16W 54.643CFM 92*92*25mm NMB 09225VE-12K-CU-01	IEC62109	Test with appliance
	NMB	09225VA-12Q-BU-03	DC FAN NMB/09225VA12Q BU03 12v5.64W 2.73m ³ /min	IEC62109	Test with appliance
Boost Choke	Goodwe	141-10534	Boost choke 425uH \pm 10% @32KHz 1mm*7mm FeSi Boost 1,2 ,3ROHS	IEC62109	Test with appliance
- Triple insulation wire	WUXI YOUFAUN ELECTRIC Co LTD	QZY B-2/200	200°C	UL1446	E343483

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- Insulation tape	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-20X	180°C	UL510A	E246820
Inverter Choke	GoodWe	141-10531	INV choke 550uH ± 10% @16KHz 1.4mm*10mm FeSi Class F	IEC62109	Test with appliance
- Triple insulation wire	WUXI YOUFAUN ELECTRIC Co LTD	QZY B-2/200	200°C	UL1446	E343483
- Insulation tape	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-20X	180°C	UL510A	E246820
Bat Choke	GoodWe	141-10529	Bat Choke 470uH± 10% @32KHz 1.5mm*8mm FeSi Class F	IEC62109	Test with appliance
- Triple insulation wire	WUXI YOUFAUN ELECTRIC Co LTD	QZY B-2/200	200°C	UL1446	E343483
- Insulation tape	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-20X	180°C	UL510A	E246820

Power Board:

Y Cap C604	WALSIN	AH	4.7nF/400VAC 125° C	IEC/EN60384-14	VDE 40001804
	Shantou High- New Technology	Y5U	4.7nF Y1 400VAC /125° C	IEC/EN60384-14	VDE 40025754
	JYH CHUNG ELECTRONICS CO LTD	JD	4.7nF/400VAC, 85° C	IEC/EN60384-14	VDE 137027
Y Cap C114,C116,C118 ,C120,C141,C14 2,C143,C144	TDK	B32022A3333M 000	33nF/300VAC 110°C	IEC/EN60384-14	VDE 40018909
	FARA	MKP63	33nF, 300VAC, 110° C	EN 60384-14	SE/0366-2D

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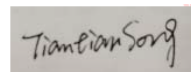
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	TDK	B32022A3333M	33nF 300VAC 110°C	IEC/EN 60384-14	VDE 40018909
	AIHUA	FY230M333	0.033 μ F /300VAC, 110°C	IEC/EN 60384-14	VDE 40052687
	NISTRONICS	MPY	33nF, 300VAC, 110° C Y2	IEC/EN 60384-14	VDE 40039835
Y Cap C145, C146, C147 , C1018, C1021, C 1024, C1032	WALSIN	AH	0.47nF 400VAC 125° C	IEC/EN 60384-14	VDE 40001804
	Shantou High- New Technology	Y5P	470pF 400VAC 125° C	IEC/EN60384-14	VDE 40025754
Y Cap C40, C41, C130	FARA	MKP67	470pF 440VAC 110° C	EN 60384-14	SE/0366-4B
DC link C4, C136, C367, C 369	TDK	B32652	0.022 μ F 1000V 110° C	IEC62109	Test with appliance
	FARA	MKP21	0.022 μ F 1000V 105° C	IEC62109	Test with appliance
DC link Capacitors C38, C39, C50, C51, C52, C53, C150, C151, C1210	TDK	B32652A6394K 189	0.39 μ F/630V, 110° C	IEC62109	Test with appliance
	FARA	MKP25	0.39 μ F/630V, 110° C	IEC62109	Test with appliance
	NISTRONICS	MPXK, MPCK	0.39 μ F/630V, 110° C	IEC62109	Test with appliance
	JIANGHAI	CBB23	0.39 μ F 630VDC	IEC62109	Test with appliance
	AIHUA	FGA2JK394E47 2ELE	Non-Safety Capacitor 0.39 μ F 630VDC	IEC62109	Test with appliance
Y Capacitors C633	Shantou High- New Technology	Y5P	1nF500VAC 110°C	IEC/EN 60384-14	VDE40025754
	FARA	MKP67	1nF 500VAC 110°C	EN 60384-14:2013	SE/0366-4B
DC link Capacitors C138, C366, C368	FARA	C3D	2 μ F/1100V, 105° C	IEC62109	Test with appliance
	JIAGNHAI	CBB138	2 μ F/1100V, 105° C	IEC62109	Test with appliance

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	AIHUA	FDG3MK205G2 22GLE	2uF/1100V, 105° C	IEC62109	Test with appliance
	NISTRONICS	MDC	2uF/1100V, 105° C	IEC62109	Test with appliance
Bus Cap C20, C21, C22, C2 3, C24, C25, C26, C27, C28, C29, C3 0, C31, C32, C33, C34, C35, C36, C3 7	JIANGHAI	ECS2HBB681M LA350070E	680uF 500V 105°C	IEC62109	Test with appliance
	HEC	LT500V680 35*70 -20+20% 105°C 3000H	680uF 500V 105°C	IEC62109	Test with appliance
	AIHUA	LT 500V680 35*70	680uF 500V M RAD 35*70mm 10mm -25~+105°C	IEC62109	Test with appliance
X Capacitors C122, C123, C124	FARA	C4B	3.3uF/350Vac 105° C	EN 60384-14	SE/0366-6B
	NISTRONICS	MPR C0350K335W00 B0038	3.3uF/350Vac 105° C	IEC/EN 60384-14	VDE40052379
Filter Capacitors C1026, C1027, C1030	PANASONIC	EZPQ38805LTA	8uF 350VAC, 110° C, X2 type	IEC62109	Test with appliance
	FARA	C4B	8uF 350VAC, 110° C, X2 type	IEC62109	Test with appliance
	NISTRONICS	MPRC 0350K335W00B 0038	8uF 350VAC, 110° C, X2 type	IEC62109	Test with appliance
	AIHUA	FAG	8uF 350VAC, 110° C, X2 type	IEC62109	Test with appliance
SPS & Comm Optocouplers U601, U604	VISHAY	SFH615A- 3X009	Ext. Dcr. ≥7mm, 100° C. voltage: 1131V, transient voltage: 8000V. PD test voltage 2121V.	EN 60747-5-5	VDE40033345
	Everlight	EL354NV	Ext. Dcr. ≥8.1mm, 100° C. voltage: 1060V, transient voltage: 8000V. PD test voltage 1988V	EN 60747-5-5	VDE 132249

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	Renesas Electronics Corporation	PS2561L-1	Di=1.0mm, Int. Dcr.=7.0mm, Ext. Dcr.=7.0mm, 100°C	DIN EN60747-5-5 EN 60747-5-5	VDE 40008862
HCT1000, HCT1001, HCT1002,	SINOMAGS	STK-50PL/A	5V 50A	IEC62109	Test with appliance
	LEM	HLSR 50-P	5V 50A	IEC62109	Test with appliance
	CRRC	50T-P6/VN	5V 50A	IEC62109	Test with appliance
	BYD	BSX7-50IOV1HA	5V 50A	IEC62109	Test with appliance
	TAMURA	LA17P050S05	5V 50A	IEC62109	Test with appliance
HCT1003	MAGTRON	RCMU101SN-4P16A-5S	5V 80A	IEC62109	Test with appliance
	SINOMAGS	SFG-0.3P/S1	5V 80A	IEC62109	Test with appliance
RY1000,RY1001, RY1002,RY1003, RY1008,RY1009, RY1011,RY1012, RY1016,RY1017, RY1018,RY1019, RY900,RY903	HONGFA	HF186F/12-HTF	12VDC 277VAC/55A	EN/IEC 61810-1	R50476790
IGBT Q9,Q10,Q11,Q104, Q105,Q106	ST	STGWA40H120DF2;	40A 1200V	IEC62109	Test with appliance
	ON	NGTB40N120FL3WG;	40A 1200V	IEC62109	Test with appliance
	INFINEON	IGBT IKW40N120H3	40A 1200V	IEC62109	Test with appliance
	ON	FGH40T120SM D-F155	40A 1200V	IEC62109	Test with appliance
	Infineon	IKQ50N120CH3	40A 1200V	IEC62109	Test with appliance
	HONGWEI	MM40G3U120B X	40A 1200V	IEC62109	Test with appliance
	XINJIENENG	NCE40TD120V TP	40A 1200V	IEC62109	Test with appliance

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	SIDA	DG40Q12T2L	40A 1200V	IEC62109	Test with appliance
IGBT Q502,Q504,Q506,Q507,Q510,Q511	ST	STGWT80H65D FB;	80A 650V	IEC62109	Test with appliance
	XINJIENENG	NCE80TD65BT	80A 650V	IEC62109	Test with appliance
	Trinno	TGAN80N65F2 DS	80A 650V	IEC62109	Test with appliance
IGBT Q503,Q505,Q508,Q509,Q512,Q513	Infineon	IKQ75N120CH3	75A 1200V	IEC62109	Test with appliance
	ON	FGY75T120SQ DN;	75A 1200V	IEC62109	Test with appliance
	Fuji	FGW75XS120C	75A 1200V	IEC62109	Test with appliance
	ST	STGYA75H120 DF2	75A 1200V	IEC62109	Test with appliance
	HONGWEI	MM75G5U120B	75A 1200V	IEC62109	Test with appliance
	SHILANDA	SGTP75V120F DB2PW	75A 1200V	IEC62109	Test with appliance
	XINJIENENG	NCE75TD120V TP	75A 1200V	IEC62109	Test with appliance
SIC MOS Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8	Wolfspeed	C3M0040120K;	48A 1200V	IEC62109	Test with appliance
	Infineon	IMZ120R045M1	48A 1200V	IEC62109	Test with appliance
SIC DIODE D110,D111,D112	CREE	C4D20120D	33A 1200V	IEC62109	Test with appliance
SPS Transformer TX1	GoodWe	140-00125	130°C	IEC62109	Test with appliance
- Bobbin	CHANG CHUN PLASTICS CO.,LTD	T375J	150°C	UL746A	E59481
- Insulation tape	JING JIANG YAHUA PRESSURE SENSITIVE GLUE CO.,LTD	WF	130°C	UL510A	E165111

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- Triple insulation wire	SHENZHEN JIAZHENGXIN INDUSTRIAL CO LTD	UEW	155°C	UL 1446	E334055
Input Board					
HCT200,HCT201 ,HCT202	SINOMAGS	STK-32PL/A	5V 32A	IEC62109	Test with appliance
	LEM	LEM HLSR 32-P	5V 32A	IEC62109	Test with appliance
	BYD	BSX7-32IOV1HA	5V 32A	IEC62109	Test with appliance
	CRRC	32T-P6/VN	5V 32A	IEC62109	Test with appliance
	TAMURA	LA17P032S05	5V 32A	IEC62109	Test with appliance
HCT300,HCT301	SINOMAGS	STK-50PL/A	5V 50A	IEC62109	Test with appliance
	LEM	HLSR 50-P	5V 50A	IEC62109	Test with appliance
	CRRC	50T-P6/VN	5V 50A	IEC62109	Test with appliance
	BYD	BSX7-50IOV1HA	5V 50A	IEC62109	Test with appliance
	TAMURA	LA17P050S05	5V 50A	IEC62109	Test with appliance
RY304,RY305	HONGFA	HF176F/12-H3F	12VDC 277VAC/65A 1H	EN61810-1	R50411032
DC link Capacitors 'C115, C116, C117 'C312, C313	FARA	C3D3A206KFO A382	20 µ F 1KV	IEC62109	Test with appliance
	FARA	C3D1M206KFS A382	20.0 µ F 1100V	IEC62109	Test with appliance
	JIANGHAI	CBB138	20.0 µ F 1100V	IEC62109	Test with appliance
	NISTRONICS	MDCC	20.0 µ F 1100V	IEC62109	Test with appliance
DC link Capacitors C100, C101, C102	FARA	C3D1M205KB0 0382	2uF/1100V, 105° C	IEC62109	Test with appliance
	JIAGNHAI	CBB138	2uF/1100V, 105° C	IEC62109	Test with appliance

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	AIHUA	FDG3MK205G2 22GLE	2uF/1100V, 105° C	IEC62109	Test with appliance
	NISTRONICS	MDC	2uF/1100V, 105° C	IEC62109	Test with appliance
	JIAGNHAI	CBB138	2uF/1100V, 105° C	IEC62109	Test with appliance
Y Cap C109, C110, C111, C112, C113, C114, C304, C305, C308, C309	Shantou High- New Technology	CD	4.7nf Y1 400VAC	IEC/EN 60384-14	VDE 40025754
	WALSIN	Y5U	4.7nf Y1 400VAC 125°C	IEC/EN 60384-14	VDE 40001804
	FENGHUA	CT7- Y12Y5U0E472M SE-C0	4.7nf Y1 400VAC 125°C	IEC/EN 60384-14	VDE 40013874
Y Cap C300, C301, C302, C303	Shantou High- New Technology	CD	1nF Y1 400VAC	IEC/EN 60384-14	VDE 40025754
	WAISIN	AH	1nF Y1 400VAC	IEC/EN 60384-14	VDE 40001804
	FENGHUA	CT7- Y9Y5P0E102KS E-C0	1nF Y1 400VAC	IEC/EN 60384-14	VDE 40013874
Y Cap C103, C104, C105, C106, C107, C108	FARA	MKP63	0.010 μ F 300Vac 110°C	EN 60384-14	SE/0366-2D
	AIHUA	FYT30K473E34 2ELE	0.010 μ F 300Vac 110°C	IEC/EN60384-14	VDE40052687
	NISTRONICS	MPY	0.010 μ F 300Vac110°C	IEC/EN60384-14	VDE 40039835

OFF-GRID Board

SPS Transformer TX700	140-00123	HF TX 12:103:9:106:10 4:115:115 EE28 DMR40	130°C	IEC62109	Test with appliance
- Bobbin	CHANG CHUN PLASTICS CO.,LTD	T375J	150°C	UL746A	E59481
- Insulation tape	JING JIANG YAHUA PRESSURE SENSITIVE GLUE CO.,LTD	PF	180°C	UL510A	E165111

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- Triple insulation wire	SHENZHEN JIAZHENGXIN INDUSTRIAL CO LTD	UEW-NY	155°C	UL 1446	E334055
SPS &Comm Optocouplers U701,U702	VISHAY	SFH615A-3X009	Ext. Dcr. ≥7mm, 100° C. voltage:1131V, transient voltage:8000V. PD test voltage 2121V.	EN 60747-5-5	VDE40033345
	Everlight	EL354NV	Ext. Dcr. ≥8.1mm, 100° C. voltage:1060V, transient voltage:8000V. PD test voltage 1988V	EN 60747-5-5	VDE 132249
	Renesas Electronics Corporation	PS2561L-1	Di=1.0mm, Int. Dcr.=7.0mm, Ext. Dcr.=7.0mm, 100°C	DIN EN60747-5-5 EN 60747-5-5	VDE 40008862
MOS Q701	ROHM	SCT2H12NZ	3.7A 1700V	IEC62109	Test with appliance
HCT900,HCT901 , HCT902	SINOMAGS	STK-50PL/A	5V 50A	IEC62109	Test with appliance
	LEM	HLSR 50-P	5V 50A	IEC62109	Test with appliance
	CRRC	50T-P6/VN	5V 50A	IEC62109	Test with appliance
	BYD	BSX7-50IOV1HA	5V 50A	IEC62109	Test with appliance
	TAMURA	LA17P050S05	5V 50A	IEC62109	Test with appliance
Y Cap C903, C904, C908, C909, C929, C930	Shantou High-New Technology	CD	4.7nf Y1 400VAC	IEC/EN 60384-14	VDE 40025754
	WALSIN	Y5U	4.7nf Y1 400VAC 125°C	IEC/EN 60384-14	VDE 40001804
	FENGHUA	CT7-Y12Y5U0E472M SE-C0	4.7nf Y1 400VAC 125°C	IEC/EN 60384-14	VDE 40013874
DC link C717	TDK	B32652A0223J1 89	0.022uF 1000V J RAD 15mm -55°C ~+110°C	IEC62109	Test with appliance

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	FARA	MKP21	0.022 μ F 1000V J RAD -55°C ~+105°C	IEC62109	Test with appliance
Y Cap C705	Shantou High- New Technology	Y5P	1nF500VAC 110°C	IEC/EN 60384-14	VDE40025754
	FARA	MKP67	1nF 500VAC 110°C	EN 60384-14	SE/0366-4B
X Capacitors C701	FARA	MKT61	0.068 μ F 305VAC	EN 60384-14	SE/0366-5C
	NISTRONICS	MPR	0.068 μ F 305VAC	IEC/EN 60384-14	VDE 40032056
	AIHUA	FXT30K683C13 2CL5	0.068 μ F 305VAC	IEC/EN 60384-14	VDE 40051583
X Capacitors C13, C15, C17	FARA	C4B	3.3 μ F 350V	EN 60384-14	SE/0366-6B
	FARA	C6AR2335KBW 0550	3.3 μ F, 350VAC, 105°C	IEC/EN 61071	R 50266136
Y Capacitors C10, C26, C27, C28	Shantou High- New Technology	CD	1nF Y1 400VAC	IEC/EN 60384-14	VDE 40025754
	WAISIN	AH	1nF Y1 400VAC	IEC/EN 60384-14	VDE 40001804
ARM board					
COMM-IC U908, U912, U913	Texas Instruments Deutschland GmbH	ISO7742DWR	Transient Isolation voltage:8000Vpk Repetitive Isolation voltage:1414Vpk Surge isolation Voltage: 8000Vpk 125° C the safety spacing is 8mm	EN IEC 60747-17	VDE 40040142
	NOVOSENSE	NSi8242W1- DSWR	Transient Isolation voltage:8000Vpk Surge isolation Voltage: 6250Vpk 125° C the safety spacing is 8mm	VDE V 0884-11	VDE 40052820
Y Cap C548	Shantou High- New Technology	Y5P	1nF500VAC 110°C	IEC/EN 60384-14	VDE40025754

Produkte
Products



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	FARA	MKP67	1nF 500VAC 110 °C	EN 60384-14	SE/0366-4B
Y Cap C704,C705,C706 ,C707	Shantou High- New Technology	CD	1nF Y1 400VAC	IEC/EN 60384-14	VDE 40025754
PV EMC board					
Current Sensor U100,U101,U102	SINOMAGS	STK-25CTS/P6	5V 25A	IEC62109	Test with appliance
	BYD	BSG1- 25IOV1HA	5V 25A	IEC62109	Test with appliance
Y Cap C105,C106,C107 ,C108,C109,C11 0,C113,C114,C1 15,C116,C117,C 118	WALSIN	AH	0.47nF 400VAC 125°C	IEC/EN60384-14	VDE 40001804
	Shantou High- New Technology	CD	4.7nf Y1 400VAC	IEC/EN 60384-14	VDE 40025754

TÜV Rheinland Group

GoodWe Technologies Co., Ltd.

09.07.2022

Sean Ke

09.07.2022

Tiantian Song

Date

Name

Date

Name

Signature