

1.0 Reference and Address			
Report Number	170300646SHA-001	Original Issued: 28-Sep-2017	Revised: None
Standard(s)	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2] Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [CSA C22.2#62368-1:2014 Ed.2]		
Applicant	<u>GlobTek, Inc</u>	Manufacturer	GlobTek (Suzhou) Co., Ltd.
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2.0 Product Description	
Product	ITE Power Supply
Brand name	GlobTek
Description	<p>Product covered by this report is I.T.E. power supply module, which is open frame type for indoor use only.</p> <p>The product is designed to be operated at max. 5000m above sea level.</p> <p>The installation and use for the insulation construction shall be finally determined in the end product.</p>
Models	GT followed by M, - or H; followed by 43007-; followed by A, B or C; followed 01 to 60; followed by 05, 07, 09, 12, 15, 18, 24, 36 or 48; maybe followed by 0.1 to 11.9 or blank; followed by F or FW.
Model Similarity	<p>GT*43007-*****</p> <p>The 1st "" can be 'M' or '-' or 'H' for market identification and not related to safety.</p> <p>The 2nd "" is A, B, or C and is related to PCB size: A= 2"x3", B=2"x4", C=3"x5". The different PCB sizes are only for installation purpose in end product with no safety spacing modification.</p> <p>The 3rd "" denote the rated output wattage designation, which can be "01" to "60", with interval of 1.</p> <p>The 4th "" denote the standard rated output voltage designation, which can be "05", "07", "09", "12", "15", "18", "24", "36" or "48". Each standard rated output voltage designation corresponds to a transformer model. Each transformer model is identical in insulation construction including clearance and creepage except number of turns per coil.</p> <p>The 5th "" is optional deviation, subtracted from standard output voltage, which can be "-0.1" to "-11.9" with interval of 0.1, or blank to indicate no voltage different.</p> <p>The 4th and 5th asterisks together denote the output voltage with a range of 5-48 volts.</p> <p>The 6th "" can be "-F" or "-FW". "-F" represents Class I model and "-FW" represents Class II model.</p>
Ratings	<p>Input: 100-240V~, 50-60Hz, 1.5A</p> <p>Output: Refer to illustration No.6 for details.</p>
Other Ratings	Maximum ambient temperature is 45°C.
Conditions of Acceptability	<p>The products covered in this Report are incomplete in construction features or limited in performance capabilities and are intended for use and evaluation in other products. Consideration should be given to the following when the component is used in or with another product.</p> <p>(Typical Conditions of Acceptability to be considered for recognized component products follow:)</p> <ol style="list-style-type: none"> 1. Suitability of the enclosure should be evaluated when installed in the end product including access to energized parts, humidity, clearance & creepage distance measurement and mechanical strength. 2. Temperature Testing should be performed on this component when installed in the end product. 3. Safety instruction and warning should be evaluated within the end product.

3.0 Product Photographs

Photo 1 - Component side view of board with small size heatsink

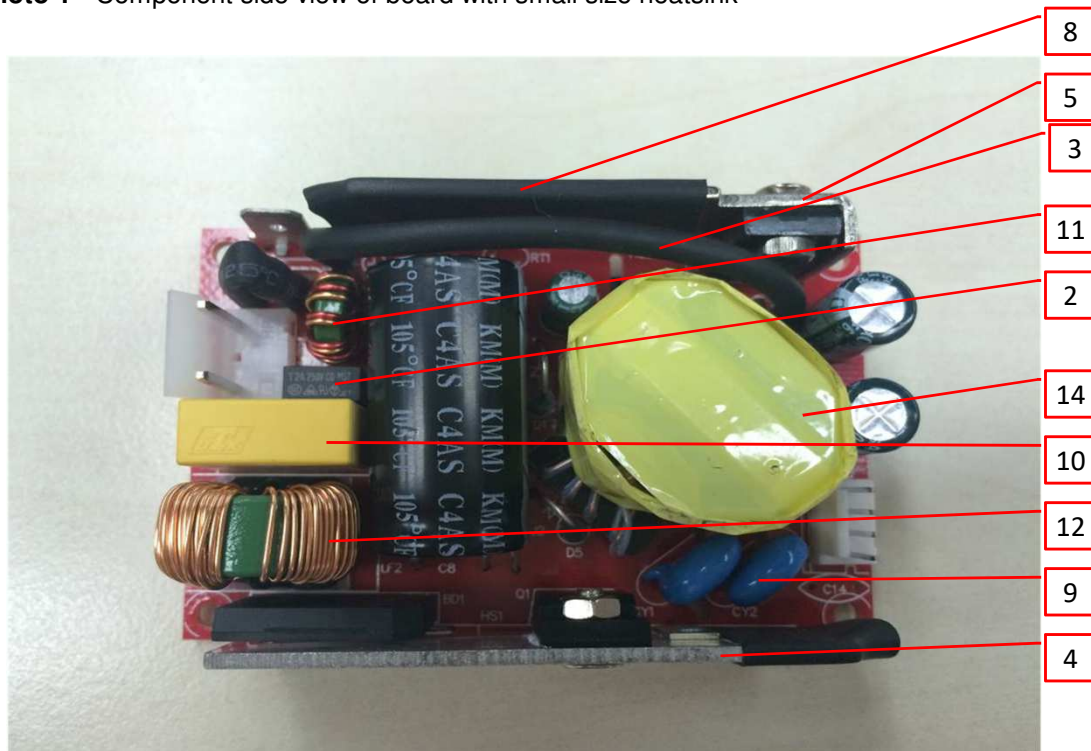
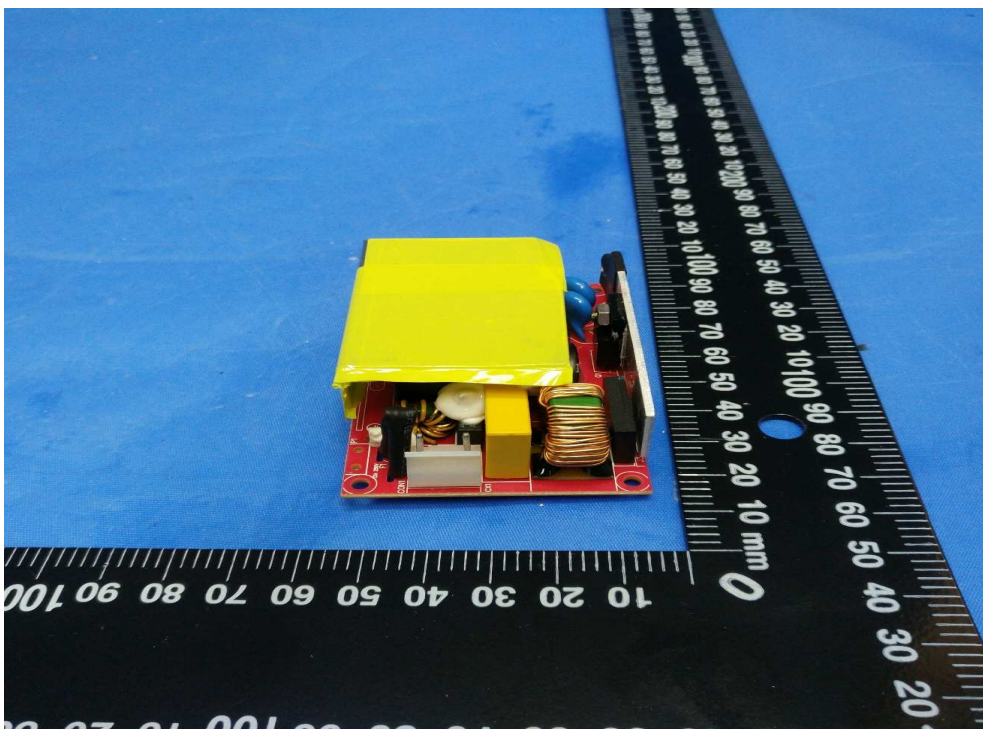


Photo 2 - Component side view of board with large size heatsink



3.0 Product Photographs

Photo 3: Soldering side view of board



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
3	1	PCB material	PACIFIC WIN INDUSTRIAL LTD	PW-02	Min. V-0, min 1.6mm thickness, 130°C UL E228070	cURus
			PACIFIC WIN INDUSTRIAL LTD	PW-03	Min. V-0, min 1.6mm thickness, 130°C UL E228070	cURus
			YILIHUA	YLH-1	Min. V-0, min 1.6mm thickness, 130°C UL E251781	cURus
			YILIHUA	YLH-2	Min. V-0, min 1.6mm thickness, 130°C UL E251781	cURus
			DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	02V0	Min. V-0, min 1.6mm thickness, 130°C UL E186016	cURus
			DAFENG AREX ELECTRONICS TECHNOLOGY CO LTD	04V0	Min. V-0, min 1.6mm thickness, 130°C UL E186016	cURus
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DKV0-3A	Min. V-0, min 1.6mm thickness, 130°C UL E177671	cURus
			BRITE PLUS ELECTRONICS (SUZHOU) CO LTD	DGV0-3A	Min. V-0, min 1.6mm thickness, 130°C UL E177671	cURus
			SHENZHEN TONGCHUANGXI N ELECTRONICS CO LTD	TCX	Min. V-0, min 1.6mm thickness, 130°C UL E250336	cURus
			Various	Various	Min. V-0, min 1.6mm thickness, 130°C , comply with UL796	cURus
			Conquer Electronics Co., Ltd.	MST	T 2 A, 250 V, Rated breaking capacity 100A UL E82636	cURus
			Ever Island Electric Co., Ltd. and Walter Electric	2010	T 2 A, 250 V, Rated breaking capacity 130A UL E220181	cURus
			Bel Fuse Ltd.	RST	T2A, 250V, Rated breaking capacity 100A UL E20624	cURus
			Das & Sons International Ltd.	385T series	T2A, 250V, Rated breaking capacity 35A VDE 40008524 UL E205718	cURus
			Shenzhen Lanson Electronics Co. Ltd.	SMT	T2A, 250V, Rated breaking capacity 35A UL E221465	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	2	Fuse (F1, F2) (F2 is optional.)	Walter Electronic Co. Ltd.	ICP series	T2A, 250V, Rated breaking capacity 50A UL E56092	cURus
			Zhongshan Lanbao Electrical Appliances Co., Ltd.	RTI-10 series	T2A, 250V, Rated breaking capacity 50A UL E213695	cURus
			Sun Electric Co.	5T	T2A, 250V, Rated breaking capacity 35A UL E166522	cURus
			Bel Fuse Ltd.	5ST	T2A, 250V, Rated breaking capacity 35A UL E20624	cURus
			Dongguan Better Electronics Technology Co., Ltd.	932	T2A, 250V, Rated breaking capacity 100A UL E300003	cURus
			Hollyland Company Limited	5ET	T2A, 250V, Rated breaking capacity 63A UL E156471	cURus
			Sunny East Enterprise Co. Ltd.	CFD-Series(s)	T2A, 250V, Rated breaking capacity 50A UL E133774	cURus
			Conquer Electronics Co., Ltd.	MET series	T2A, 250V, Rated breaking capacity 35A UL E82636	cURus
			KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD	1007	Min. 18AWG, min. 300Vac, min. 80°C UL E237831	cURus
			KUNSHAN NEW ZHICHENG ELECTRONICS TECHNOLOGIES CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C UL E237831	cURus
			SUZHOU YEMAO ELECTRONIC CO LTD	1007	Min. 18AWG, min. 300Vac, min. 80°C UL E353532	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	3	Earthing wire for class I model	SUZHOU YEMAO ELECTRONIC CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C UL E353532	cURus
			ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	1007	Min. 18AWG, min. 300Vac, min. 80°C UL E333601	cURus
			ZHUANG SHAN CHUAN ELECTRICAL PRODUCTS (KUNSHAN) CO LTD	1015	Min. 18AWG, min. 300Vac, min. 80°C UL E333601	cURus
			GLOBTEK INC	1007	Min. 18AWG, min. 300Vac, min. 80°C UL E464257	cURus
			GLOBTEK INC	1015	Min. 18AWG, min. 300Vac, min. 80°C UL E464257	cURus
			Various	Various	Min. 18AWG, min. 300Vac, min. 80°C UL approved	cURus
1	4	Heatsink (HS1)	Various	Various	Aluminum. Approximate overall dimension 60mm by 15mm, min.1.5mm thick, secured to PWB by soldering	NR
1	5	Heatsink (HS2) (for 5-9V)	Various	Various	Aluminum. Approximate overall dimension 50mm by 22mm by 38mm, min.1.0mm thick, secured to PWB by soldering	NR
			Various	Various	Aluminum. Approximate overall dimension 50mm by 22mm by 38mm, min.1.2mm thick, secured to PWB by soldering	NR
			Various	Various	SPCC. Approximate overall dimension 50mm by 14mm by 38mm, min.1.2mm thick, secured to PWB by soldering	NR

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
2	6	Heatsink (HS2) (for 9.1-48V)	Various	Various	Aluminum. Approximate overall dimension 50mm by 6mm by 18mm, min.1.4mm thick, secured to PWB by soldering	NR
			Various	Various	SPCC. Approximate overall dimension 50mm by 14mm by 38mm, min.1.2mm thick, secured to PWB by soldering	NR
2	7	Insulation tape provided on heatsink	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX	Min.130°C UL E246820	cURus
			3M COMPANY	1350F-1	Min.130°C UL E17385	cURus
			3M COMPANY	1350T-1	Min.130°C UL E17385	cURus
			BONDTEC PACIFIC CO.,LTD	370S	Min.130°C UL E175868	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ series	Min.130°C UL E165111	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT series	Min.130°C UL E165111	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	WF series	Min.130°C UL E165111	cURus
			JINGJIANG JINGYI	JY25-A	Min.130°C UL E246950	cURus
			SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR	600V, 125°C UL E203950	cURus
			SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR-H	600V, 125°C UL E203950	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	8	Insulation tubing provided on heatsink or fuse or class I earth wire	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR-HPF	600V, 125°C UL E203950	cURus
			QIFURUI ELECTRONICS CO	QFR-h	600V, 125°C UL E225897	cURus
			DONGGUAN SALIPT CO LTD	SALIPT S-901-600	Min. 300V, 125°C UL E209436	cURus
			DONGGUAN SALIPT CO LTD	SALIPT S-901-300	Min. 300V, 125°C UL E209436	cURus
			GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (+)	Min. 300V, 125°C UL E214175	cURus
			GUANGZHOU KAIHENG ENTERPRISE GROUP	K-2 (CB)	Min. 300V, 125°C UL E214175	cURus
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-HFT	Min. 300V, 125°C UL E180908	cURus
			SHENZHEN WOLIDA TRADING CO LTD	RSFR-H	600V, 125°C UL E329530	cURus
			SUCCESS ELECTRONICS CO LTD	SE	Type Y1, max. 2200pF, min. 250V, 125°C UL E114280	cURus
			SUCCESS ELECTRONICS CO LTD	SB	Type Y1, max. 2200pF, min. 250V, 125°C UL E114280	cURus
			MURATA MFG CO LTD	KX	Type Y1, max. 2200pF, min. 250V, 125°C UL E37921	cURus
			WALSIN TECHNOLOGY CORP	AH	Type Y1, max. 2200pF, min. 250V, 125°C UL E146544	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	9	Y-Capacitor (CY1, CY2) (optional)	JYA-NAY CO LTD	JN	Type Y1, max. 2200pF, min. 250V, 125°C UL E201384	cURus
			HAOHUA ELECTRONIC CO	CT7	Type Y1, max. 2200pF, min. 250V, 125°C UL E233106	cURus
			JERRO ELECTRONICS CORP	JX-series	Type Y1, max. 2200pF, min. 250V, 125°C UL E333001	cURus
			TDK CORP	CD	Type Y1, max. 2200pF, min. 250V, 125°C UL E37861	cURus
			HONGZHI ENTERPRISES LTD	Y	Type Y1, max. 2200pF, min. 250V, 125°C ULE192572	cURus
			WELSON INDUSTRIAL CO LTD	WD	Type Y1, max. 2200pF, min. 250V, 125°C UL E104572	cURus
1	10	X Capacitor (CX1) (optional)	Cheng Tung	CTX	Max.0.33uF, 310V, 110°C, type X1 or X2 UL E193049	cURus
			Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Max.0.33uF, 275V, 100°C, type X2 UL E183780	cURus
			Dain Electronics Co., Ltd.	MPX	Max.0.33uF, 250V, 110°C, type X2 UL E147776	cURus
			Dain Electronics Co., Ltd.	MEX	Max.0.33uF, 250V, 110°C, type X2 UL E147776	cURus
			Dain Electronics Co., Ltd.	NPX	Max.0.33uF, 250V, 110°C, type X2 UL E147776	cURus
			Sinhua Electronics (Huzhou) Co., Ltd.	MPX	Max.0.33uF, 300V, 110°C, type X2 UL E237560	cURus
			Hongzhi Enterprises Ltd.	MPX	Max.0.33uF, 250V, 100°C, type X2 UL E192572	cURus
			Jiangsu Xinghua Huayu Co., Ltd.	MPX	Max.0.33uF, 250V, 100°C, type X2 UL E311166	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	11	Line filter (LF1) (optional)	GlobTek/HAOPU WEI/HEJIA/BOAM	LF019	Class B	NR
1	12	Line filter (LF2) (optional)	GlobTek/HAOPU WEI/HEJIA/BOAM	LF018	Class B	NR
3	13	Opt coupler (U2)	LITE-ON Technology Corporation	LTV-817	Ext. Cr: min. 8.01 mm; DTL: min. 0.6 mm; Thermal cycling test. Max. operating temp.: 115°C VDE 40015248 UL E113898	cURus
			Everlight Electronics Co., Ltd.	EL817	Ext. Cr: min. 7.7 mm; DTL: min. 0.5 mm; Thermal cycling test. Max. operating temp.: 110°C VDE 132249 UL E214129	cURus
			Fairchild Semiconductor Pte. Ltd.	FOD817B	Ext. Cr: min. 7.8 mm; DTL: min. 0.6 mm; Thermal cycling test. Max. operating temp.: 115°C UL E90700	cURus
			GlobTek	TF024 (for 5-6.5V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			BOAM	TF024 (for 5-6.5V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			HAOPUWEI	TF024 (for 5-6.5V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			GlobTek	TF025 (for 6.6-8.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR

4.0 Critical Components

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
			BOAM	TF025 (for 6.6-8.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			HAOPUWEI	TF025 (for 6.6-8.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			GlobTek	TF026 or TF026X(for 9-13V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			BOAM	TF026 or TF026X(for 9-13V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			HAOPUWEI	TF026 or TF026X(for 9-13V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			GlobTek	TF027 (for 13.1-17V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR

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4	14	Transformer (T1)	BOAM	TF027 (for 13.1-17V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			HAOPUWEI	TF027 (for 13.1-17V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			GlobTek	TF028 (for 17.1-24.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			BOAM	TF028 (for 17.1-24.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			HAOPUWEI	TF028 (for 17.1-24.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			GlobTek	TF029 (for 25-34.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			BOAM	TF029 (for 25-34.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR

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			HAOPUWEI	TF029 (for 25-34.9V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			GlobTek	TF032 (for 35-48V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			BOAM	TF032 (for 35-48V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			HAOPUWEI	TF032 (for 35-48V)	Class B, with insulation system designation GTX-130-TM (GLOBTEK INC) ; BOAM-01(SHAN DONG BOAM ELECTRIC CO LTD. E252329) or ZT-130 (WUXI HAOPUWEI ELECTRONICS CO LTD. E315275)	NR
			PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U	130°C UL E201757	cURus
			JUNG SHING WIRE CO LTD	UEW-4	130°C UL E174837	cURus
			JUNG SHING WIRE CO LTD	UEY-2	130°C UL E174837	cURus
			JIANGSU HONGLIU MAGNET WIRE TECHNOLOGY CO LTD	2UEW/130	130°C UL E335065	cURus

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4	14a	Magnet wire	CHANGZHOU DAYANG WIRE & CABLE CO LTD	2UEW/130	130°C UL E158909	cURus
			WUXI JUFENG COMPOUND LINE CO LTD	2UEWB	130°C UL E206882	cURus
			JIANGSU DARTONG M & E CO LTD	UEW	130°C UL E237377	cURus
			SHANDONG SAINT ELECTRIC CO LTD	UEW/130	130°C UL E194410	cURus
			ZHEJIANG LANGLI ELECTRIC EQUIPMENTS CO LTD	UEW	130°C UL E222214	cURus
4	14b	Secondary winding	GREAT LEOFON INDUSTRIAL CO LTD	TRW (B)	130°C UL E211989	cURus
			COSMOLINK CO LTD	TIW-M	130°C UL E213764	cURus
			FURUKAWA ELECTRIC CO LTD	TEX-E	130°C UL E206440	cURus
			TOTOKU ELECTRIC CO LTD	TIW-2	130°C UL E166483	cURus
			E&B TECHNOLOGY CO LTD	E&B-XXXB	130°C UL E315265	cURus

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			E&B TECHNOLOGY CO LTD	E&B-XXB-1	130°C UL E315265	cURus
4	14c	Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C, min thickness: 0.6mm UL E59481	cURus
			CHANG CHUN PLASTICS CO LTD	T375HF	V-0, 150°C, min thickness: 0.6mm UL E59481	cURus
			SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 150°C, min thickness: 0.6mm UL E41429	cURus
			HITACHI CHEMICAL CO LTD	CP-J-8800	V-0, 150°C, min thickness: 0.6mm UL E42956	cURus
			3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1	130°C UL E17385	cURus
			3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350T-1	130°C UL E17385	cURus
			BONDTEC PACIFIC CO LTD	370S	130°C UL E175868	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
4	14d	Insulation tape	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ	130°C UL E165111	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT	130°C UL E165111	cURus
			JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	WF	130°C UL E165111	cURus
			JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A	UL E246950	cURus
			CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-XX	130°C UL E246820	cURus
NOTES:						
1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.						
2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.						
3) 2 layers of insulating tape or 1 layer of min. 0.4 mm thickness insulating tube can be used alternatively for wrapping around heatsink.						
4) TF026 and TF026X are same except model number.						

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
Limits between different polarity of Line and Neutral before fuse: Cl = 2.3mm; Cr = 2.4mm.
Limits between different polarity of fuse: Cl = 2.3mm; Cr = 2.4mm.
Limits between primary parts and protective earthed parts(Class I model only): Cl = 3.0mm; Cr = 3.0mm.
Limits between primary parts and secondary parts: Cl = 6.0mm; Cr = 6.0mm.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - This product is I.T.E power supply module, which is open frame type for indoor use only. Final determination is needed in end product.
5. Grounding - This product is I.T.E power supply module. There is optional earthing wire and earthing terminal on pcb for the class I model. Final determination is needed in end product.
6. Polarized Connection - This product is I.T.E power supply module. Final determination is needed in end product.
7. Internal Wiring - This product is I.T.E power supply module, which is open frame type for indoor use only. Final determination is needed in end product.
8. PCB layout-Refer to Illustration 3 to 3b: PCB layout requiring verification during Field Representative Inspection Audits.
9. Schematics - Refer to Illustration No 2. or schematics requiring verification during Field Representative Inspection Audits
10. Transformer construction-Refer to Illustration 4 and 4a: Transformer construction requiring verification during Field Representative Inspection Audits.
11. Markings - See Illustration 1 - Marking. It is reference only, it shall be double considered in end product.
12. Cautionary Markings - See Illustration 1.
13. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No.5, 5a for details. The use manual in French must provide when the unit sell to Canada. It shall be double considered in end product.

7.0 Illustrations

Illustration 1 - Marking (representative)



Note:

1. The above markings are the minimum requirements required by the safety standard. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.
2. Date code "YYMM" is printed on the label, MM denote month, YY denote year (for example 1702 means the second month of 2017 year).
3. The other models(refer to 2.0) have the same labels except the model number.

7.0 Illustrations

for 6.6-8.9V output

顺序 Order	PIN 脚 PIN No.	铜线 Copper wire	圈数 Turns	线槽 Slot	方向 Direction	备注 Remarks
NS	8-5	TRWB 0.75*2mm	4			
ND	1-4	2UEW 0.3mm Class B	8			疏绕

for 9-13V output

NO	TERMINAL		TURNS	WIRE	STRANDS	INSULATION MATERIAL	INSULATION LAYERS
	S	F					
N2	8	5	4	TRWB ϕ 0.75	2	PET 0.025	11.0×2T
N3	1	4	6	2UEW/130℃ ϕ 0.30	1	PET 0.025	11.0×2T

for 13.1-17V output

顺序 Order	PIN 脚 PIN No.	铜线 Copper wire	圈数 Turns	线槽 Slot	方向 Direction	备注 Remarks
NS	8-5	TRWB 0.75mm*2	7			
ND	1-4	2UEW 0.3mm Class B	8			疏绕

for 17.1-24.9V output

顺序 Order	PIN 脚 PIN No.	铜线 Copper wire	圈数 Turns	线槽 Slot	方向 Direction	备注 Remarks
NS	8-5	TRWB 0.6mm*2	10			
ND	1-4	2UEW 0.3mm Class B	8			疏绕

for 25-34.9V output

顺序 Order	PIN 脚 PIN No.	铜线 Copper wire	圈数 Turns	线槽 Slot	方向 Direction	备注 Remarks
NS	8-5	TRWB 0.60mm	15			
ND	1-4	2UEW 0.3mm Class B	8			疏绕

for 25-48V output

顺序 Order	PIN 脚 PIN No.	铜线 Copper wire	圈数 Turns	线槽 Slot	方向 Direction	备注 Remarks
NS	8-5	TRWB 0.6mm	20			
ND	1-4	2UEW 0.3mm Class B	8			疏绕

Remark: All of the seven transformers have the same instructure except secondary winding turns and model on the marking.

7.0 Illustrations

Illustration 5 - User manual (representative)

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions – All the safety and operating instructions should be read before this product is operated.
2. Keep these instructions – The safety and operating instructions should be retained for future reference.
3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all instructions – All operating and use instructions should be followed.
5. Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
16. Do not install this equipment in a confined or building-in space such as a book case or similar unit, and remain a well ventilation conditions at open site. The ventilation should not be impeded by covering

7.0 Illustrations

Illustration 5a - User manual (representative)

the ventilation openings with items such as newspaper, table-cloths, curtains etc.

17. WARNING: Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc).

18. WARNING: The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

19. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.



20. -This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

21. WARNING: Please refer the information on exterior bottom enclosure for electrical and safety information before installing or operating the apparatus.

Manufacturer 1: GlobTek, Inc.

Address: 186 Veterans Dr. NorthVale, NJ 07647 USA

Manufacturer 2: GlobTek (Suzhou) Co., Ltd
Address: Building 4, No.76, Jin LingEast Rd., SuZhou
Industrial Park, Suzhou, JiangSu 215021, China

7.0 Illustrations

Illustration 6 - Model list

Model	Output Voltage	Max. output current	Max. output power	Transformer
GT*43007-**05**	5	6A	30W	TF024 (5-6.5Vdc) TF025 (6.6-8.9Vdc) TF026 or TF026X (9-13Vdc) TF027 (13.1-17Vdc) TF028 (17.1-24.9Vdc) TF029 (25-34.9Vdc) TF032 (35-48Vdc)
GT*43007-**07**	5.1-7V	6A	30W	
GT*43007-**09**	7.1-9V	5A	45W	
GT*43007-**12**	9.1-12V	5.0A	60W	
GT*43007-**15**	12.1-15V	5.0A	60W	
GT*43007-**18**	15.1-18V	4.0A	60W	
GT*43007-**24**	18.1-24V	3.31A	60W	
GT*43007-**36**	24.1-36V	2.50A	60W	
GT*43007-**48**	36.1-48V	1.66A	60W	

Model similarity:

GT*43007-*****

The 1st "*" can be 'M' or 'L' or 'H' for market identification and not related to safety.

The 2nd "*" is A, B, or C and is related to PCB size: A= 2"x3", B=2"x4", C=3"x5". The different PCB sizes are only for installation purpose in end product with no safety spacing modification.

The 3rd "*" denote the rated output wattage designation, which can be "01" to "60", with interval of 1.

The 4th "*" denote the standard rated output voltage designation, which can be "05", "07", "09", "12", "15", "18", "24", "36" or "48". Each standard rated output voltage designation corresponds to a transformer model. Each transformer model is identical in insulation construction including clearance and creepage except number of turns per coil.


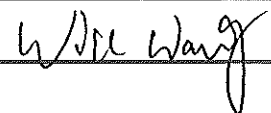
The 5th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.1" to "-11.9" with interval of 0.1, or blank to indicate no voltage different.

The 4th and 5th asterisks together denote the output voltage with a range of 5-48 volts.

The 6th "*" can be "-F" or "-FW". "-F" represents Class I model and "-FW" represents Class II model.

Note: TF026 is same with TF026X except model number.

8.0 Test Summary					
Evaluation Period	20-Feb-2017 to 20-Sep.-2017			Project No.	170201096SHA
Sample Rec. Date	20-Feb-2017	Condition	Prototype	Sample ID.	0170220-50-001~003
Test Location	Intertek Testing Services Shanghai				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2]				
	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [CSA C22.2#62368-1:2014 Ed.2]				
	Clause				
Energy source classifications	4.2				
Protection against energy sources	4.3				
Classification and limits of electrical energy sources	5.2				
Classification of power sources (PS) and potential ignition sources (PIS)	6.2				
10 N steady force test	4.6.2				
Temperature test for insulating materials and touch temperature	5.4.1.4, 9.0				
Determination of working voltage test	5.4.1.8				
Ball pressure test	5.4.1.10.3				
Clearances and creepage distances measurement	5.4.2, 5.4.3				
Solid insulation measurement	5.4.4				
Electric strength test	5.4.9				
Thermal energy source classifications	9.2				
Input test	B.2.5				
Operating temperature measurement	B.2.6				
Simulated abnormal operating conditions	B.3				
Simulated single fault conditions test	B.4				
Transformer overload tests	G.5.3.3				
Steady force test – 10 N	T.2				

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Susanna Xu	Reviewed by:	Will Wang
Title:	Technical Supervisor	Title:	Assistant Manager
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	GlobTek, Inc
Address	186 Veterans Dr. Northvale, NJ07647
Country	USA
Product	ITE Power Supply

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)

Shanghai 200233, China

Attn: Ms. Angela Han

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

Product

All products covered by this Report.

Test Voltage

Test Time

Between mains input to output terminal / enclosure with metal foil

3000Vac

1 - 4 s

The following changes are in compliance with the declaration of Section 8.1:

ED 16.3.15 (20-Apr-17) Mandatory