



60601-1 edition 3.1 and understanding IEC60601-1 Document structure



Globtek applies for IEC 60601-1 medical Safety Approvals and EMC approvals on their standard power supply products. The medical approvals for Safety and EMC are required to exist in separate CB reports.

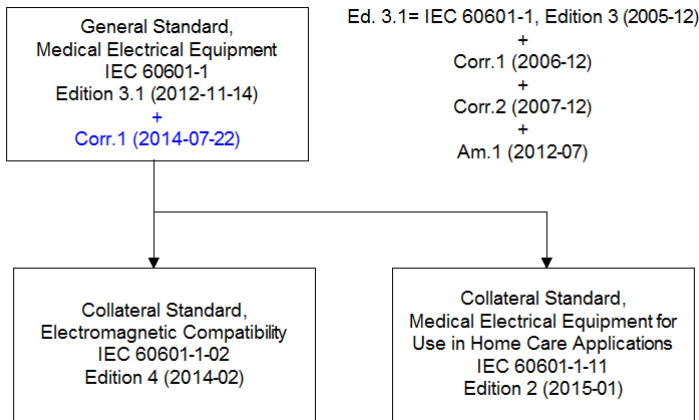
Many medical products are used in a home health care environment. Globtek obtains a IEC 60601-1-11 approval on their products in order to support this important market segment of the medical equipment business. An important distinction with home

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use medical equipment is that the AC input configuration must be a Class II (unearthed, 2 conductor) configuration.

There is often confusion regarding the differences between IEC 60601-1 ed 3, and IEC 60601-1 ed 3.1. As shown in the diagram below, when Corrigendum 1 and 2, and Amendment 1 are applied to edition 3, the resulting document is the same as edition 3.1. The changes are generally minor between ed 3 and ed 3.1, one major change is to have relaxed safety isolation barrier requirements for low voltage DC systems, such as automobile batteries, where the risk is far less than a 230Vac input safety barrier.

In the diagram below, the two key collateral standards for IEC 60601-1 which Globtek obtains CB approvals (and specific harmonized national standards approvals) for are shown, which is for the medical EMC standard and the Home Use Care standard.



For additional information on this topic, please visit the following web pages:

- MECA (Medical Equipment Compliance Associates) US Home Page: <http://mecassociates.us/>
- MECA, list of 60601-1 standards, collateral standards, and particular standards: [http://60601-1.com/assets/meca-60601-80601-medical-standards-list-\(rev-2015-12-24\).pdf](http://60601-1.com/assets/meca-60601-80601-medical-standards-list-(rev-2015-12-24).pdf)

GlobTek Products which meet IEC60601 3.1

Model	Type	Input Voltage	Watts	Vout	Efficiency	Ingress Protection	MOOP	MOPP	60601-1-4th Ed.	IEC 62368-1	Dimensions (mm)
OT100											

GTM96 060- 06VV- Q	Wall Plug- in	100- 240V~, 50-60 Hz	6	5-36 V	VI	IP52		✓	✓	✓	43.5*74.0*36.8
GTM41 134- WWVV- F	Open Fram e/Inte rnal	100- 240V~, 50-60 Hz	6	3.3- 48 V	N/A			✓	✓	✓	84.5*41.5*17.0
GTM41 134- Q(CC)	Wall Plug- in	100- 240V~, 50-60 Hz	6	3.3- 48 V	V	IP40		✓	✓		43.5*74.0*35.3
GTM41 078- WWVV- X.X- USB	Wall Plug- in	100- 240V~, 50-60 Hz	6	5-6 V	V	Indoor Use		✓	✓		41.0 x 71.0 x 31.5
GTM96 060CC 06VV- Q	Wall Plug- in	100- 240V~, 50-60 Hz	6	3.3- 48 V	VI	IP52		✓	✓	✓	43.5*74.0*36.8
GTM41 134- 06VV- Q	Wall Plug- in	100- 240V~, 50-60 Hz	6	5-48 V	V	IP52		✓	✓	✓	43.5*74.0*35.3
GTM46 101- 10VV- X.X- USB	Wall Plug- in	100- 240V~, 50-60 Hz	10	5-5.5 V	VI	Indoor Use		✓	✓	✓	41.0 x 71.0 x 31.5
GTM91 099- 60VV- T2A	Wall Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	60	0 V	V			✓	✓		
GTM43 007- BWWV V-F	Open Fram e/Inte rnal	100- 240V~, 50-60 Hz	60	5-48 V	N/A	N/A		✓	✓		101.6x50.8x23 .6 for 5V-14V models, 101.6x50.8x22 .5 for 15V-48V models
GTM91 099- 60VV- T2	Wall Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	60	5-48 V	V	IP42		✓	✓		117.53*53.47*3 6.6
GTM43 007- WWVV- V-F	Open Fram e/Inte rnal	100- 240V~, 50-60 Hz	60	5-48 V	N/A	N/A		✓	✓		76.2x50.8x23. 6 for 5V-14V models, 76.2x50.8x22. 5 for 15V-48V models

AWWV V-F	e/Inte rnal	240V~, 50-60 Hz	60	V	N/A	N/A		✓	✓		76.2x50.8x22. 5 for 15V-48V models Top Diagram i
GTM43 007-	Open Fram	100- 240V~, 50-60Hz	60	5-48 V	N/A	N/A		✓	✓		101.6x50.8x23 .6 for 5V-14V models, 101.6x50.8x22 .5 for 15V-48V models
BWWV V-FW	e/Inte rnal	50-60Hz									
GTM91 099- 60VV- T3A-IM	Wall Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	60	5-36 V	V			✓	✓		117.53*53.47*3 6.6
GTM91 099- 60VV- T2-IM	Wall Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	60	12-24 V	V		✓	✓	✓		117.53*53.47*3 6.6
GTM91 099- 60VV- T3A	Wall Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	60	5-48 V	V	IP52, IP54 Option available		✓	✓		117.53*53.47*3 6.6
GTM43 007- AWWV V-FW	Open Fram e/Inte rnal	100- 240V~, 50-60 Hz	60	5-48 V	N/A	N/A		✓	✓		76.2x50.8x23. 6 for 5V-14V models, 76.2x50.8x22. 5 for 15V-48V models
GTM91 099- 60VV- T3	Wall Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	60	5-48 V	V	IP52, IP54 Option available		✓	✓		117.5*53.5*34. 2
GTM43 007- CWWV V-FW	Open Fram e/Inte rnal	100- 240V~, 50-60 Hz	60	5-48 V	N/A	N/A		✓	✓		127x76.2x23.6
GTM43 007- CWWV V-F	Open Fram e/Inte rnal	100- 240V~, 50-60 Hz	60	5-48 V	N/A	N/A		✓	✓		127x76.2x23.6
	Wall										

GTM91 099- 65VV- T3A	Plug- in+De sktop Comb inatio n	100- 240V~, 50-60 Hz	65	5-48 V	V	IP52, IP54 Option available		✓	✓		117.53*53.47*3 6.6
GTM41 133- 90VV- x.x-T3A	Deskt op/Ex ternal	100- 240V~, 50-60Hz	90	12-48 V	V	IP21		✓	✓		149.38 x 62.6 x 33.5 +/-1.0 mm

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