



# AMGIS

## TOROIDAL POWER TRANSFORMERS & PRODUCTS

Amgis Toroidal Power Products is now offering an extensive line of toroidal power products; off the shelf lines and custom designed for almost any application where a transformer is needed. Using state of the art winding machines and testing equipment Amgis provides the highest quality Toroidal Power Products all over the international community.

- Toroidal transformers are widely used and preferred in industries that demand highly efficient power products for medical, telecommunications, computer, power conditioning, renewable energy and other industrial applications.
- Can provide OEM customers custom power solutions through custom design and unique manufacturing knowledge.
- Ever expanding capabilities and knowledge through years of experience and research into the latest toroidal trends.
- Amgis offers standard product lines for medical isolation, power conditioning applications, audio applications and more which are ordered and shipped all over the world.

Inherent advantages of the toroidal (ring, donut shaped core) transformer, relative to other core configurations:

- (1) nearly ideal magnetic circuit, which results in
- (2) lower stray magnetic field
- (3) less volume and weight
- (4) less audible hum
- (5) higher efficiency (perfect for stray magnetic field sensitive circuitry)

We offer a broad range of standard products that can be quickly and easily configured. We can also provide custom solutions with specific wire harnesses, enclosures, and even electrical circuit designs your application might require. The majority of our solutions have a combination of the following:

- Custom primary and secondary voltage
- Variety of connection and harnessing options
- Custom mounting and enclosures to meet customer requirements
- Low height/easily configured into minimal space
- Can be designed into control, monitoring, and circuitry protection
- All Custom and Standard transformers are UL and C-UL recognized to UL5085-1 and CSA C22.2 NO .66
- UL-recognized class B, F or H insulation systems available

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Part Number	VA Rating	Secondary Voltages (VAC)	Secondary Current (A)	OD (in)	Height (in)	Weight (lbs)	Standard
XF-00100-2012	100	2x12	2x4.16	3.8"	1.8"	2.4	UL 5085-1
XF-00100-2015	100	2x15	2x3.33	3.8"	1.8"	2.4	UL 5085-1
XF-00100-2018	100	2x18	2x2.77	3.8"	1.8"	2.4	UL 5085-1
XF-00100-2024	100	2x24	2x2.08	3.8"	1.8"	2.4	UL 5085-1
XF-00100-2030	100	2x30	2x1.66	3.8"	1.8"	2.4	UL 5085-1
XF-00160-2012	160	2x12	2x6.66	4.0"	2.2"	3.6	UL 5085-1
XF-00160-2015	160	2x15	2x5.33	4.0"	2.2"	3.6	UL 5085-1
XF-00160-2018	160	2x18	2x4.44	4.0"	2.2"	3.6	UL 5085-1
XF-00160-2024	160	2x24	2x3.33	4.0"	2.2"	3.6	UL 5085-1
XF-00160-2030	160	2x30	2x2.66	4.0"	2.2"	3.6	UL 5085-1
XF-00160-2120	160	2x120	2x0.66	4.0"	2.2"	3.6	UL 5085-1
XF-00225-2012	225	2x12	2x9.37	4.6"	2.2"	5.1	UL 5085-1
XF-00225-2015	225	2x15	2x7.5	4.6"	2.2"	5.1	UL 5085-1
XF-00225-2018	225	2x18	2x6.25	4.6"	2.2"	5.1	UL 5085-1
XF-00225-2024	225	2x24	2x4.68	4.6"	2.2"	5.1	UL 5085-1
XF-00225-2030	225	2x30	2x3.75	4.6"	2.2"	5.1	UL 5085-1
XF-00225-2120	225	2x120	2x0.93	4.6"	2.2"	5.1	UL 5085-1
XF-00300-2012	300	2x12	2x12.5	4.6"	2.9"	6.5	UL 5085-1
XF-00300-2012	300	2x15	2x10	4.6"	2.9"	6.5	UL 5085-1
XF-00300-2018	300	2x18	2x8.33	4.6"	2.9"	6.5	UL 5085-1
XF-00300-2024	300	2x24	2x6.25	4.6"	2.9"	6.5	UL 5085-1
XF-00300-2030	300	2x30	2x5	4.6"	2.9"	6.5	UL 5085-1
XF-00300-2042	300	2x42	2x3.65	4.6"	2.9"	6.5	UL 5085-1
XF-00300-2120	300	2x120	2x1.25	4.6"	2.9"	6.5	UL 5085-1
XF-00400-2024	400	2x24	2x8.33	5.4"	2.4"	7.2	UL 5085-1
XF-00400-2030	400	2x30	2x6.66	5.4"	2.4"	7.2	UL 5085-1
XF-00400-2042	400	2x42	2x4.76	5.4"	2.4"	7.2	UL 5085-1
XF-00400-2055	400	2x55	2x3.63	5.4"	2.4"	7.2	UL 5085-1

Part Number	VA Rating	Secondary Voltages (VAC)	Secondary Current (A)	OD (in)	Height (in)	Weight (lbs)	Standard
XF-00400-2120	400	2x120	2x1.66	5.4"	2.4"	7.2	UL 5085-1
XF-00500-2024	500	2x24	2x10.41	5.4"	2.8"	8.8	UL 5085-1
XF-00500-2030	500	2x30	2x8.33	5.4"	2.8"	8.8	UL 5085-1
XF-00500-2042	500	2x42	2x5.95	5.4"	2.8"	8.8	UL 5085-1
XF-00500-2055	500	2x55	2x4.54	5.4"	2.8"	8.8	UL 5085-1
XF-00500-2120	500	2x120	2x2.08	5.4"	2.8"	8.8	UL 5085-1
XF-00650-2024	650	2x24	2x13.54	6.0"	2.9"	11.5	UL 5085-1
XF-00650-2030	650	2x30	2x10.83	6.0"	2.9"	11.5	UL 5085-1
XF-00650-2042	650	2x42	2x7.73	6.0"	2.9"	11.5	UL 5085-1
XF-00650-2055	650	2x55	2x5.9	6.0"	2.9"	11.5	UL 5085-1
XF-00650-2120	650	2x120	2x2.7	6.0"	2.9"	11.5	UL 5085-1
XF-00800-2024	800	2x24	2x16.66	6.4"	2.8"	13	UL 5085-1
XF-00800-2030	800	2x30	2x13.33	6.4"	2.8"	13	UL 5085-1
XF-00800-2042	800	2x42	2x9.52	6.4"	2.8"	13	UL 5085-1
XF-00800-2055	800	2x55	2x7.27	6.4"	2.8"	13	UL 5085-1
XF-00800-2120	800	2x120	2x3.33	6.4"	2.8"	13	UL 5085-1
XF-01000-2030	1000	2x30	2x16.66	6.6"	3.3"	15.6	UL 5085-1
XF-01000-2042	1000	2x42	2x11.9	6.6"	3.3"	15.6	UL 5085-1
XF-01000-2055	1000	2x55	2x9.09	6.6"	3.3"	15.6	UL 5085-1
XF-01000-2120	1000	2x120	2x4.16	6.6"	3.3"	15.6	UL 5085-1
XF-01500-2042	1500	2x42	2x17.85	8.2"	3.0"	23.6	UL 5085-1
XF-01500-2055	1500	2x55	2x13.63	8.2"	3.0"	23.6	UL 5085-1
XF-01500-2120	1500	2x120	2x6.25	8.2"	3.0"	23.6	UL 5085-1
XF-02000-2042	2000	2x42	2x23.8	8.2"	4.0"	29	UL 5085-1
XF-02000-2055	2000	2x55	2x18.18	8.2"	4.0"	29	UL 5085-1
XF-02000-2120	2000	2x120	2x8.33	8.2"	4.0"	29	UL 5085-1
XF-03000-2055	3000	2x55	2x27.27	9.2"	4.1"	39	UL 5085-1
XF-03000-2120	3000	2x120	2x12.5	9.2"	4.1"	39	UL 5085-1

## SCHEMATIC

