EXCELSYS POWERMODS

FOR ULTIMOD, XGEN, AND XF SERIES

Advanced Energy's Excelsys Ultimod, Xgen, and XF series are configurable power supplies. See below table for the Powermods details.

powerMods								
Model	Vnom (V)	Set Point Adjust Range (V)	Dynamic Vtrim Range (V)	Imax (A)	Power (W)	Capacitive Loading (mF) [1,2]	Remote Sense	Power Good
XgA	12.0	10.8-15.6	—	12.5	150	10	—	—
XgB	24.0	19.2-26.4	—	8.3	200	4	—	—
XgC	36.0	28.8-39.6	—	5.6	200	2	—	—
XgD	48.0	38.5-50.4	—	4.2	200	1	—	—
XgE/Xg7	24.0	5.0-28.0	—	5.0	120	2.5	—	Yes
XgF/Xg8	24.0	5.0-28.0	—	3.0	72	1.5	—	Yes
	24.0	5.0-28.0	—	3.0	72	1.5	—	Yes
XgG	2.5	1.5-3.6	1.15-3.6	40.0	100	700	Yes	Yes
XgH	5.0	3.2-6.0	1.5-6.0	36.0	180	550	Yes	Yes
XgJ	12.0	6.0-15.0	4.0-15.0	18.3	220	100	Yes	Yes
XgK	24.0	12.0-30.0	8.0-30.0	9.2	220	20	Yes	Yes
XgL	48.0	28.0-58.0	8.0-58.0	5.0	240	10	Yes	Yes
Xg1	2.5	1.5-3.6	1.15-3.6	50.0	125	900	Yes	Yes
Xg2	5.0	3.2-6.0	1.5-6.0	40.0	200	600	Yes	Yes
Xg3	12.0	6.0-15.0	4.0-15.0	20.0	240	120	Yes	Yes
Xg4	24.0	12.0-30.0	8.0-30.0	10.0	240	25	Yes	Yes
Xg5	48.0	28.0-58.0	8.0-58.0	6.0	288	25	Yes	Yes
XgM	5.0	3.2-6.0	1.0-6.0	40.0	200	850	Yes	Yes
XgN	12.0	6.0-15.0	1.0-15.0	20.0	240	400	Yes	Yes
XgP	24.0	12.0-30.0	1.0-30.0	10.0	240	200	Yes	Yes
XgQ	48.0	24.0-58.0	1.0-58.0	6.0	288	100	Yes	Yes
XgR	24.0	12.0-30.0	8.0-30.0	10.0	240	25	—	Yes
XgT	48.0	28.0-58.0	8.0-58.0	6.0	288	15	—	Yes

Note 1: A diode or other blocking element would be recommended for Xg1-5 and XgG-Q modules if the load capacitance is large to prevent reverse energy during shutdown.
Note 2: Maximum capacitive load of the module to ensure monotonic startup.
Note 3: Add C for conformal coating, e.g. XgAC.

Complete product specification please refer to below datasheet link:
Ultimod series https://www.advancedenergy.com/getmedia/73940f22-9cd1-40ec-b6f1-ee22dff6df16/en-lv-excelsys-ultimod-data-sheet.pdf
Xgen series https://www.advancedenergy.com/getmedia/0711fea5-e53e-4ff9-8386-dfcd8a248192/ENG-LV_Xgen-02-19-24.pdf
XF series https://www.advancedenergy.com/getmedia/65c93767-0d10-4e23-a01f-862f109709d1/en-lv-xf-data-sheet.pdf

ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

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