

Xgen Series powerKit

Ultimate in Plug & Play Power
your dreams come true!



PLUG & PLAY POWER next generation power source

FEATURES

- Make your own custom power supply!
- 1.5V to 58V standard output voltages
- Only available from Excelsys
- Straight line or Foldback current limit
- Output inhibit/enable control
- Parallel *powerMods* for higher current
- Series *powerMods* for higher voltages
- Available in application specific kits

EACH *powerKit* CONTAINS

- One *powerPac*
- Seven *powerMod* dc output modules
- Xgen Designers' Manual
- Two pairs of parallel links (XP1)
- Two series links (XS1)
- Quality posi screwdriver
- Quality Voltage adjustment tool

The *powerKit* family from the Excelsys Xgen series brings user convenience to a new paradigm for system design engineers tasked with development of system power supply solutions. The *powerKit* contains an application specific *powerPac* chassis module, along with a selection of user installable plug-in *powerMod* dc output modules. Each *powerMod* can be simply plugged in, removed and exchanged offering a remarkably powerful flexible system solution. Truly, for system design engineers, your dreams come true!

The feature-rich *powerMods* provide a suite of output signals and user configurable functions increasing design-in flexibility. User configurable functions include local and remote adjustment, adjustable current limit, alternative current limiting technique and inhibit/enable functions.

Employing high efficiency conversion techniques, Xgen series *powerMods* and *powerPacs* have minimal power losses, while the advanced packaging makes the Xgen series the smallest power supply in the industry.

powerKits

MODEL	<i>powerPac</i>	Power	Application	Slots	Ref
XKC	Xcite	1200W	Standard	6	see Xcite datasheet
XKV	Xvite	1200W	Medical	6	see Xvite datasheet
XKH	Xhite	600W	Hi-Temp	6	see Xhite datasheet
XKQ	Xqite	900W	Low Noise	6	see Xqite datasheet
XKL	Xlite	600W	Standard	4	see Xlite datasheet
XKM	Xmite	600W	Medical	4	see Xmite datasheet

Each *powerKit* model contains ONE of each of the following *powerMods*

MODEL	Vmin	Vnom	Vmax	I _{max}	I _{min}	Type	Watts *	
Xg1	1.5	2.5	3.6	50A	0A	A	125W	
Xg2	3.2	5.0	6.0	40A	0A	A	200W	
Xg3	6.0	12.0	15.0	20A	0A	A	240W	
Xg4	12.0	24.0	30.0	10A	0A	A	240W	
Xg5	28.0	48.0	58.0	6A	0A	A	288W	
Xg7	5.0	24.0	28.0	5A	0A	AB	120W	
Xg8	V1	5.0	24.0	28.0	3A	0A	B**	72W
	V2	5.0	24.0	28.0	3A	0A		72W

*Derate at 2.5% per °C above 50°C up to 70°C (maximum operating temperature)

**See *powerMod* datasheets for details of *powerMod* types.

All *powerKits* are provided in an attractive rugged Xgen *powerKit* case specially designed for Excelsys to bring a new level of convenience to system engineers charged with power supply design.

Doc. 40043 rev. 02 3/10

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