POW-R-PAK: Flexible, Integrated IGBT Power Structures

The Powerex POW-R-PAK is a configurable IGBT based power assembly that may be used as a converter, chopper, half or full bridge, or three phase inverter for motor control, power supply, UPS, or other power conversion applications.

Features:

- *High performance IGBT inverter bridge*
- *Integrated gate drive with fault monitoring & protection*
- *System status / troubleshooting LEDs to verify or monitor proper operation*
- *Isolated gate drive power supplies*
- *Low inductance laminated bus*
- *Output current measurement and feedback*
- *Superior short circuit detection and shoot-through prevention*

POW-R-PAK Lineup: Standard Air Cooled Configuration

		I_C						
	V_{CES}	50	75	100	150	200	300	400
3 phase	600		PP75T060	PP100T060	PP150T060	PP200T060	PP300T060	PP400T060
	1200	PP50T120	PP75T120	PP100T120	PP150T120	PP200T120	PP300T120	
	1700			PP100T170	PP150T170	PP200T170		
3 phase + brake	600		PP75R060	PP100R060	PP150R060	PP200R060	PP300R060	PP400R060
	1200	PP50R120	PP75R120	PP100R120	PP150R120	PP200R120	PP300R120	
	1700			PP100R170	PP150R170	PP200R170		
H Bridge	600		PP75B060	PP100B060	PP150B060	PP200B060	PP300B060	PP400B060
	1200	PP50B120	PP75B120	PP100B120	PP150B120	PP200B120	PP300B120	
	1700			PP100B170	PP150B170	PP200B170		

		I_C						
Circuit	V_{CES}	150	225	300	450	600	900	1200
Half Bridge	600		PP225D060	PP300D060	PP450D060	PP600D060	PP900D060	PP1200D060
	1200	PP150D120	PP225D120	PP300D120	PP450D120	PP600D120	PP900D120	
	1700			PP300D170	PP450D170	PP600D170		

POW-R-PAK Standard Options

	Option Number								
Option	01	02	03	04	05	06	07	08	09
Blower	X		X		X		X		X
Half Control SCR Converter		X	X						
Full Control SCR Converter				X	X				
Diode Converter						X	X		
Dual Inverter								X	X