

ConverterPAC Description

ConverterPACs are the family of slide-in output assemblies used in [MegaPAC power supplies](#). There are currently 12 ConverterPACs available for use. Most ConverterPACs of the same length are interchangeable within a MegaPAC and between different AC input MegaPAC chassis. They can be added, moved, or changed as necessary. The type of ConverterPAC used in this slot is a DualPAC.

DualPAC (D = Non-RoHS; GD = RoHS)

The DualPAC output assembly consists of two [VI-J00 DC to DC converters](#) that convert the high voltage bus to the desired regulated output voltages. DualPACs can provide up to 100 Watts of output power (cannot be paralleled) per output and are fused with a single PC-Tron, DC-rated, fast-acting fuse. A passive LC filter is used to reduce output ripple/noise down to 1% typical, and 2% maximum peak-to-peak from 10% to 100% of rated load. A number of options such as the output voltage Trim potentiometer, and VXI options are available. The DC Power Good signal is NOT available. The DualPAC contains output overcurrent protection, which recovers automatically when the overcurrent condition is removed.

Overvoltage protection and overtemperature limiting are not available. Newer DualPACs have Autosense. This feature automatically locally senses the output if remote sense is not used. To check if an output has the Autosense feature, measure the impedance from the + Out to + Sense and - Out to - Sense pins. If the impedance is 5 ohms, then the output has Autosense and does not require local sense jumpers. If a unit does not have Autosense, sense connections must be made. For further technical information about ConverterPACs, contact Applications Engineering at 1-800-927-9474.



Options available for DualPAC

OPTIONS		AVAILABILITY
D	Power Good	NOT AVAILABLE
T	Trim +/-10%	OPTIONAL
F*	Trim: +10%/-50%	OPTIONAL
R	External RAM	OPTIONAL
V3	VXI Low Noise1% ; Vout >24V	OPTIONAL
V2	VXI Low Noise 50mV - Vout <= 15V	OPTIONAL
V1	VXI Low Noise150mV - 15V < Vout <= 24V	OPTIONAL

* Note: Not available for 1st Gen 10V, 12V and 15V modules. For more details, contact Factory.

DualPAC Output and Connector Pin Identification

	<p>J1-B-PIN1</p> <p>J2-B-PIN1</p> <p>OUTPUT ADJ. #1</p> <p>J1-A-PIN1</p> <p>J2-A-PIN1</p> <p>OUTPUT ADJ. #2</p>	<p>J1 (OUTPUT CONNECTORS)</p> <table border="1"> <tr> <td>4</td> <td>1</td> <td>1 AND 4 +V OUT</td> </tr> <tr> <td>5</td> <td>2</td> <td>2 AND 5 -V OUT</td> </tr> <tr> <td>6</td> <td>3</td> <td>3 +R/SENSE 6 -R/SENSE</td> </tr> </table>	4	1	1 AND 4 +V OUT	5	2	2 AND 5 -V OUT	6	3	3 +R/SENSE 6 -R/SENSE	<p>MATING HDWR:</p> <p>HOUSING- MOLEX P/N: 39-01-2060</p> <p>TERMINALS- MOLEX P/N: 39-00-0039</p> <p>CRIMP TOOL MOLEX P/N: 11-01-0197</p>	<p>Output connector kits (optional) for your MegaPAC supply are available for purchase from Westcor:</p>	
	4	1	1 AND 4 +V OUT											
5	2	2 AND 5 -V OUT												
6	3	3 +R/SENSE 6 -R/SENSE												
<p>J2 (REMOTE SENSE)</p> <table border="1"> <tr> <td>1</td> <td>TRIM PIN ACCESS</td> </tr> <tr> <td>2</td> <td>+ SENSE</td> </tr> <tr> <td>3</td> <td>- SENSE</td> </tr> </table>	1	TRIM PIN ACCESS	2	+ SENSE	3	- SENSE	<p>MATING HDWR:</p> <p>HOUSING- MOLEX P/N: 50-57-9403</p> <p>TERMINALS- MOLEX P/N: 16-02-0103</p> <p>CRIMP TOOL MOLEX P/N: 11-01-0208</p>	<table border="0"> <tr> <td>Single phase input</td> <td>Part Number 19-130040</td> </tr> <tr> <td>Three phase input</td> <td>19-130041</td> </tr> <tr> <td>DualPAC output</td> <td>19-130042</td> </tr> </table>	Single phase input	Part Number 19-130040	Three phase input	19-130041	DualPAC output	19-130042
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For more details about any Westcor products, contact the factory at 1-800-735-6200 or go to our website at

www.vicorpower.com

