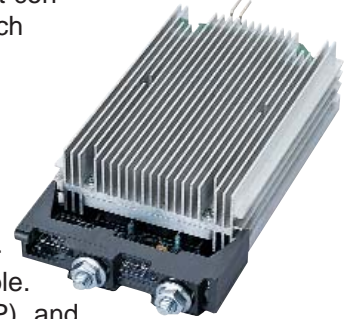


ConverterPAC Description

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 FinPAC.

FinPAC (PZ = Non-RoHS; GPZ = RoHS)

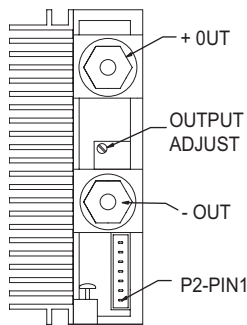
The FinPAC output assembly consists of a [375Vin Maxi DC to DC converter](#) that converts the unregulated high voltage bus to the desired regulated output voltage. Each Maxi module can provide up to 600 Watts of output power. Each FinPAC occupies 2 slots because it has an extra large heatsink attached to dissipate the heat generated by this more powerful Converter. Currently, the FinPAC is **ONLY** used in the PFC MegaPAC-High Power. It cannot be used in any other member of the MegaPAC Family. 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 DC Power Good signal and output voltage Trim potentiometer are available. The VXI options are NOT available. The FinPAC contains overvoltage protection (OVP), overcurrent protection (OCP), and overtemperature limiting (OTL). The OCP has automatic recovery when the overcurrent condition is removed. The OVP and OTL are latching functions and require recycling of the AC input power to restart. Newer FinPACs 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. Please also note that newer FinPACs have new outputs studs that are 1/8" longer to allow for multiple lugs. They are fully compatible with the original flanged nut ConverterPACs for use in parallel arrays. For further technical information about ConverterPACs, contact Applications Engineering at 1-800-927-9474.



Options available for FinPAC

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

FinPAC Output and Connector Pin Identification



P2 REMOTE SENSE
TRIM/SC & POWER GOOD

7	+SENSE
6	-SENSE
5	TRIM
4	Vcc IN
3	POWER GOOD
2	POWER GOOD INVERTED
1	SIGNAL GROUND

MATING HDWR:

HOUSING- MOLEX P/N: 39-01-0073
TERMINALS- MOLEX P/N: 39-00-0031
CRIMP TOOL MOLEX P/N: 57005-5000

Output connector kits (optional) for your MegaPAC supply are available for purchase from Westcor:

Number	Part
Single phase input	19-130040
Three phase input	19-130041

For more details about any Westcor products, contact the factory at 1-800-735-6200 or go to our website at

www.vicorpower.com

