

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 UniPAC.

UniPAC (XU = Non-RoHS; GXU = RoHS)

The UniPAC output assembly consists of a 300Vin **Maxi** DC to DC converter that converts the high voltage bus to the desired regulated output voltage. Each UniPAC can provide up to 500 Watts of power. Multiple UniPACs can be paralleled in a driver-booster configuration to provide more power. UniPACs are fused with a 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 DC Power Good signal and output voltage Trim potentiometer are available. The UniPAC 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 UniPACs 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 UniPACs 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 UniPAC

OPTIONS		AVAILABILITY
D	Power Good	OPTIONAL
T	Trim +/-10%	OPTIONAL
F	Trim: +10%/-50%	OPTIONAL
R	External RAM (10mVp-p)	OPTIONAL
V3	VXI Low Noise 1% ; Vout >24V	NOT AVAILABLE
V2	VXI Low Noise 50mV - Vout <= 15V	NOT AVAILABLE
V1	VXI Low Noise 150mV - 15V < Vout <= 24V	NOT AVAILABLE

UniPAC Output and Connector Pin Identification



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

	Part Number
Single phase input	43075
Three phase input	43541

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Vicor:

[XU5V_80ADNT](#) [XU28V_17A9AN](#) [XU13V_38A5AN](#) [XU48V_10A4AFN](#) [XU48V_10A4ADIN](#) [XU28V_17A9ADIN](#)
[XU30V5V_16A4ADNT4](#) [XU24V_20A8ANT](#) [XU5V_80AJS1](#) [XU12V_41A7AN](#) [XU2V_80AN](#) [XU40V_10A4AJS1](#)
[XU28V_17A8AJS1](#) [XU12V_33A3AN](#) [XU2V5V_80AN](#) [XU54V3V_8A3AN](#) [XU2V_80ANZ50](#) [XU15V_33A3ADNT](#)
[XU48V_10A4AN](#) [XU52V8V_9A5ADNT4](#) [XU2V5V_80AJS1](#) [XU15V_26A7AN](#) [XU24V_16A7AJS1](#) [XU24V_20A8ADN](#)
[XU28V_17A4AN](#) [XU28V_17A8AN](#) [XU28V_17A8ANT](#) [XU5V2V_76A9AN](#) [XU30V5V_16A4AJS1](#) [XU12V_41A7AS1](#)
[XU30V_13A9AJS1](#) [XU5V_80AN](#) [XU48V_10A4ADNT](#) [XU48V_10A4AJS1](#) [XU40V_10A4ADNT](#) [XU5V_80ANT](#)
[XU28V_17A4AJS1](#) [XU28V_17A9AJS1](#) [XU3V3V_80AJS1](#) [XU24V_20A8AN](#) [XU24V_20A8AJS1](#) [XU3V3V_80AN](#)
[XU5V2V_76A9ANZ50](#) [XU12V_33A3ADN](#) [XU36V_13A9AJS1](#) [XU48V_10A4ADFN](#) [XU12V_41A7AFN](#) [XU2V_80ADN](#)
[XU28V_17A9AIJS1](#) [XU3V3V_80ANT](#) [XU12V_41A7AJS1](#) [XU5V_80AFN](#)