

MegaPAC™

User- and Field-Configurable Power Supplies



Description

The MegaPAC family is a field- and user-configurable family of power supplies that incorporates Vicor's DC-DC converters and accessory components. With a wide selection of inputs, outputs and power levels these power supplies offer the advantages of a custom supply, but are assembled from standard and modular building blocks therefore requiring no NRE and offering rapid delivery.

Specifications

Input Voltages *PFC Models :*
 85 – 264 V_{AC}, Universal;
 47 – 500 Hz AC
 100 – 380 V_{bc}

3-Phase Models :
 180 – 240 V_{AC}
 47 – 500 Hz AC
 260 – 352 V_{bc}

Output Voltage 1 – 400 V_{bc}

Output Power Up to 4000 W dependent on model

Efficiency > 80%

Dimensions See model type

[Family Overview »](#)

To configure your MegaPAC click on the button below.

[Configure >](#)

Custom Turnkey Solutions

Can't find a match for your specs?

We can design and manufacture turnkey custom power systems that meet your specific needs! The sole focus of Vicor Custom Power is designing and manufacturing turnkey custom power systems that meet your specific needs. Vicor Custom Power maintains the flexibility of a small entrepreneurial company while taking advantage of Vicor's technical and business resources to deal effectively with your most challenging power requirements. Vicor has invested in the tools and resources to offer you full service solutions from prototype to mass production with the shortest leadtimes and the lowest risk.

Find out more about Vicor Custom by clicking on the link below.

[Vicor Custom Power »](#)

Features & Benefits	Documentation	Packaging Options	Related Products
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Features & Benefits

- User-configurable supplies with 1 to 20 outputs dependent on model
- Protective features - inrush limiting, transient protection, EMI filtering
- Fan-cooled power supplies with high power density
- Fully compliant with global standards
- Field and user configurable
- RoHS certified models available
- Rugged COTS models available for PFC MegaPAC

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Documentation

User Guides / Manuals

- [UG:110 – Mini MegaPAC User Guide »](#)
- [UG:106 – Autoranging MegaPAC User Guide »](#)
- [UG:105 – PFC / PFC-HP MegaPAC User Guide »](#)
- [UG:107 – 3-Phase / 4 kW MegaPAC User Guide »](#)
- [UG:108 – 4 kW-EL / 3-Phase-EL MegaPAC User Guide »](#)
- [UG:119 – PFC-EL / PFC-HPEL MegaPAC User Guide »](#)

Safety Approvals

Mini MegaPAC

- [cURus – UL 60950-1, CSA 60950-1 »](#)
- [cTUVus – EN 60950-1, UL 60950-1, CSA 60950-1 »](#)
- [CE Mark – Low Voltage Directive \(2006/95/EC\) »](#)

PFC MegaPAC

- [cURus – UL 60950-1, CSA 60950-1 »](#)
- [cTUVus – EN 60950-1, UL 60950-1, CSA 60950-1 »](#)
- [CE Mark – Low Voltage Directive \(2006/95/EC\) »](#)
- [CB Certificate – IEC 60950-1 »](#)

4kW MegaPAC

- [cURus – UL 60950-1, CSA 60950-1 »](#)
- [cTUVus – EN 60950-1, UL 60950-1, CSA 60950-1 »](#)
- [CE Mark – Low Voltage Directive \(2006/95/EC\) »](#)

- [Module Safety Instruction Sheet »](#)

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Packaging Options

Drawing Number	Description
08-040831	Outline Drawing for Autoranging MegaPAC »
08-040831	Outline Drawing for Autoranging MegaPAC »
08-040921	Outline Drawing for Mini MegaPAC »
08-040921	Outline Drawing for Mini MegaPAC »
08-130063	Outline Drawing for 4kW MegaPAC-EL »
08-130063	Outline Drawing for 4kW MegaPAC-EL »
08-130080	Outline Drawing for 4kW MegaPAC »
08-130080	Outline Drawing for 4kW MegaPAC »
08-130243	Outline Drawing for PFC MegaPAC and PFC MegaPAC-HP »
08-130243	Outline Drawing for PFC MegaPAC and PFC MegaPAC-HP »
08-130249	Outline Drawing for PFC MegaPAC-HPEL and MegaPAC-HPEL »
08-130249	Outline Drawing for PFC MegaPAC-HPEL and MegaPAC-HPEL »

3D Drawings

- [4kW MegaPAC »](#)
- [Mini MegaPAC »](#)
- [PFC MegaPAC »](#)
- [PFC MegaPAC-EL »](#)
- [FinPAC »](#)
- [ModuPAC »](#)

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Related Products

ConverterPACs

ConverterPACs are the family of slide-in output assemblies used in MegaPAC power supplies. There are currently 13 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. ConverterPACs incorporate VI-200 or VI-J00 and / or Maxi Vicor DC-DC converter bricks. For additional power, ConverterPACs can be paralleled. Some ConverterPACs are available for low-noise applications (VXI options, RamPACs and QPACs) and as current sources (BatPACs). All ConverterPACs can be easily removed in the field by loosening a single screw and sliding the unit out of the chassis. See below for individual fact sheets on each ConverterPAC.



VI-200 / VI-J00 Slide-in ConverterPACs

Description	Max. Power (W)	Designator	Data Sheet
ModuPaC	200	M	
JuniorPAC	100	J	
RamPAC	100	R	
BatPAC	200	B	
DualPAC	100	D	
QPAC	200	L	
DualQPAC	100	LD	
JrQPAC	100	LJ	

Maxi Module Slide-in ConverterPACs

Description	Max. Power (W)	Designator	Data Sheet
UniPaC	500	XU	
FinPAC	600	PZ	
QPAC	500	XQ	
FinQPAC	600	PZL	

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Accessories

Air Block

Air Blocks are used for the MegaPAC Family only

Description	Part Number	RoHS Compliant	Data Sheet	Technical Drawing
Air Blocks for the MegaPAC	96-00032-01	Yes		

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Bus Bars

Bus Bar	Part Number	RoHS Compliant	Technical Drawing
2-Hole	88-00033-01	Yes	
3-Hole	88-00033-02	Yes	
4-Hole	88-00033-03	Yes	
5-Hole	88-00033-04	Yes	
Series	88-00043	Yes	

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Connector Kits

Description	Part Number	RoHS Compliant	Technical Drawing
For use with PFC MegaPAC	43075	Yes	
For use with PFC MegaPAC-EL	43075	Yes	
For use with PFC MegaPAC-HPEL	43075	Yes	
For use with PFC MegaPAC-HP	43075	Yes	
For use with Mini MegaPAC	43075	Yes	
For use with Autoranging MegaPAC	43075	Yes	
For use with 4kW MegaPAC	43541	Yes	
Using DualPAC and DualQPAC	19-130042	Yes	

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Current Share Boards

Current Share Board	Part Number	RoHS Compliant	Technical Drawing
For Vicor supplies using VI-200 and VI-J00 modules	CSB-01	Yes	
For Vicor supplies using Maxi, Mini and Micro modules	CSB-02	Yes	

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