

# VE Panel

## Primary & Follower for parallel operation

[www.victronenergy.com](http://www.victronenergy.com)



The VEP (Victron Electrical Panel) makes for an easy and simpler installation connecting in one location all the AC and DC cabling for a Victron inverter/charger. The Primary VEP has a Bypass Assembly to isolate the battery-based system allowing for safe inspection and maintenance of system while still powering the load panel with an AC source. This is a code compliant solution (UL and CSA) complying to UL 1741 and CSA C22.2 for standards for safety.

The VEP ships with pre-wired AC bypass, input, and output breakers with pre-cut cabling to reach precisely underneath the MultiPlus and Quattro inverter/charger's 24Vdc and 48Vdc models. The system can be expanded to up to three panels for more power, split phase 120/240 Vac, or 3 phase operation. Up to 6 panels per phase can be accommodated utilizing Followers (ex-bypass) and a higher rated external bypass can be substituted separately.

Inside the enclosure the busbars and conductors are labeled, and all connections can be made simply and safely. Additional din rail space for DC loads i.e., SmartSolar MPPTs and an external mounting bracket is included for installation of other charge controllers.

Designed for use with Victron Energy inverter/chargers only.  
(5kVA Quattro inverter/charger model shows in images with VEP)

Pre-wired with THHN and Artic Flex cabling with ferules and ring terminals to AC and DC makes for easy connections.

- AC and DC Interconnection system equipment
- UL/CSA certified electrical panel enclosure
- Extra din rail space for DC load breakers
- Service manual and labels included
- Standard 500A/50shunt included

SmartShunt and BMV shunt can be purchased separately and substituted inside the VEP. Use a right angle VE.Direct cable to make a connection to the Victron shunt when installed with a GX the device.

THHN and Polar Wire cut to exact length for inverter/charger  
Labeled busbars and pre-wired internally with OCP

[VE Panel Installation and Service Manual \(victronenergy.com\)](http://www.victronenergy.com)  
[www.victronenergy.com/upload/documents/Certificate-UL-1741-and-CSA-C22.2-VE.Panel.pdf](http://www.victronenergy.com/upload/documents/Certificate-UL-1741-and-CSA-C22.2-VE.Panel.pdf)

### Primary and Follower VEP for Quattro 5kVA 48Vdc or MultiPlus 3kVA 24Vdc and 48Vdc models

#### Primary VEP includes:

- UL / CSA
- 60A bypass breaker assembly
- 50A AC input breaker
- 250A DC disconnect breaker
- Standard Shunt 500A/50mA

#### Follower VEP includes:

- UL / CSA
- 50A AC input breaker
- 60A AC output breaker
- 250A DC disconnect breaker
- Standard Shunt 500A/50mA



120/240V Split Phase Primary	3 Phase Primary	Follower
50 Amp AC bypass	50 Amp AC bypass	No bypass
250 Amp DC Disconnect	250 Amp DC Disconnect	250 Amp DC Disconnect
500 Amp shunt	500 Amp shunt	500 Amp shunt
50 Amp AC input breaker	50 Amp AC input breaker	50 Amp AC input breaker
60 Amp AC output breaker	60 Amp AC output breaker	60 Amp AC output breaker
6 additional slots for din rail breakers	6 additional slots for din rail breakers	6 additional slots for din rail breakers
12 additional slots for panel mount breakers	12 additional slots for panel mount breakers	12 additional slots for panel mount breakers