

**AWARD WINNING  
PRODUCTS AND SERVICES  
TAKING OUT COST AND  
INCREASING OPERATING  
EFFICIENCY**

**INTRODUCING  
THE V-SOURCE AC POWER  
CONDITIONING MODULE 1.5KVA & 3KVA**



To see more visit [viperinnovations.com](http://viperinnovations.com)

## AN AC POWER CONDITIONING MODULE THAT PROVIDES AN EFFICIENT CONVERSION AND DISTORTION-FREE OUTPUT

V-SOURCE is available in two single phase AC options: 1.5kVA and 3kVA. The output supply can be varied in voltage and frequency, which is either programmed or selected. Galvanic isolation is provided via an output transformer and the unit contains inbuilt over current and over temperature protection. The 19" rack-mounted module can be manually or remotely controlled via a comms connection, and automatically couples to the V-SUPPLY Electrical Power Module. Built in Power Factor Correction (FC) assures 0.99 at full load.

### Applications

- Ungrounded IT subsea systems
- Integration into new topside installations
- Brownfield retrofit of offshore topside equipment
- Electrical Power Unit field upgrade of topside equipment to provide enhanced measurements

### Advantages

- Improves quality of subsea supply
- Galvanic isolation of topside supply
- Improve Comms on Power performance
- Convert platform frequency

### Key Features

- AC Adjustable Output Supply Voltage
- 90-264 AC Wide Band Input Voltage
- Output Power 1.5kVA or 3kVA
- Frequency Conversion
- Output Frequency Programmable at 45-450Hz
- Distortion Free Sine Wave Output
- Remote Control from V-SUPPLY
- 16x2 Display on Front Panel

### Environmental

**Operating Temperature Range**  
0 °C to +45 °C

**Storage Temperature Range**  
-20 °C to +60 °C

**Relative Humidity**  
<90% non-condensing

**Design Life**  
Minimum 15 years operation

**Weight**  
24kg (1.5kVA) & 35kg (3kVA)

**Dimensions**  
Height 2U (1.5kVA) & 3U (3kVA)  
Depth 525mm  
Width 19" (483mm)

Conforms to IEC 297-1

**Mounting**  
19" Rack Mounting (IEC 297-1)

### Electrical

**Systems**  
Single Phase (IT) Ungrounded

**Maximum Line Current**  
12A continuous (3kVA)  
6A continuous (1.5kVA)

**Power**  
Maximum 1.5kVA and 3kVA

**Input Voltage**  
90V to 265V AC 50/60Hz (1.5kVA and 3kVA)

**Interfaces**  
RS232  
16x2 Parameter Display  
Tact Switches  
Rotary Encoder

### Output

**Voltage**  
Programmable Up to 270 V AC  
Resolution 0.1V  
Accuracy ±1%

**Output Frequency**  
Programmable 45-450Hz  
Resolution 0.01Hz  
Accuracy ±0.2%

**Output Current**  
Crest Factor 3:1  
Power Factor 0.7 Lag to 0.7 Lead

**Protection**  
Overload and Temperature:  
Output trip & indication

