

## 3KW STEP DOWN DC/DC Power Supply

POWER SUPPLY      OIL&GAS APPLICATION      HIGH TEMPERATURE

### PRODUCT OVERVIEW

High power DC/DC converter with wide input voltage range up to 1200V. It provides one high power output (up to 3kW) and one low power output (up to 20W) with regulated output voltage.

### FEATURES

- Supply voltage: 200V to 1200V
- High power output: 600V/5A
- Low power output: 24V/0.83A
- Full digital control with monitoring and configuration via isolated CAN bus
- Maximum operating temp: 177°C (350°F)
- Vibration: 20 Grms
- Implemented UVLO/OVLO and overcurrent protection

### VERSIONS

	Output Power	Output Voltage
<b>NP-55-1200-600-5</b>	3kW/20W	600V/24V

### PERFORMANCES

- High power output:
  - Output voltage: 600V or  $V_{in}-10V$  for  $V_{in}<600V$ .
  - Output current: 5A max.
  - Voltage ripple: <2%
  - Protection: Over-voltage and overcurrent.
- Low power output:
  - Output voltage: 24V
  - Output current: 0.83A max.
  - Voltage ripple: <2%
  - Protection: Overcurrent



### DIMENSIONS

Units	LxWxH
<b>mm</b>	600 x 55 x 25
<b>inches</b>	23.6 x 2.16 x 0.98

### CAN BUS

- Protocol: Watt CAN protocol
- Can baud rate: 1 Mbit/s

### CUSTOMIZATION OPTIONS

- Other form factor on demand
- Custom Data logging

### BLOCK DIAGRAM

