

Bulletin No. 76A0029

## 130-VOLT INPUT DC-DC CONVERTERS

- 800 Watts
- Regulated, Adjustable Output Voltage
- Can be Paralleled for More Power or Redundancy
- Exceptional Reliability



Model 1605 dc-to-dc converters provide a well-regulated dc output voltage from station batteries or other widely fluctuating dc sources. This output is galvanically isolated from the source and chassis and, therefore, may be connected either as a positive or a negative output.

Designed for rack mounting, these converters are conservatively rated and very efficient, and will operate continuously at any load within their rating over a wide ambient temperature range with simple convection cooling.

An option (M3) is available for paralleling two or more converters for redundancy and/or additional power. This option includes balanced load sharing and Form C contacts for remote indication of improper output.

## Table 1

Input Voltage Range (VDC)	Input Current¹ (ADC)	Output Voltage Adjustment Range² (VDC)	Output Current (ADC)	Paralleling Diode and Load Sharing	Model Number
90-160	6.1	22-26 (24 nominal)	30		1605-130-24-30
	6.1	22-26 (24 nominal)	30	<b>~</b>	1605-130-24-30-M3
	6.4	44-52 (48 nominal)	16		1605-130-48-16
	6.4	44-52 (48 nominal)	16	•	1605-130-48-16-M3

<sup>&</sup>lt;sup>1</sup>Typical current at full load, nominal input and output voltages

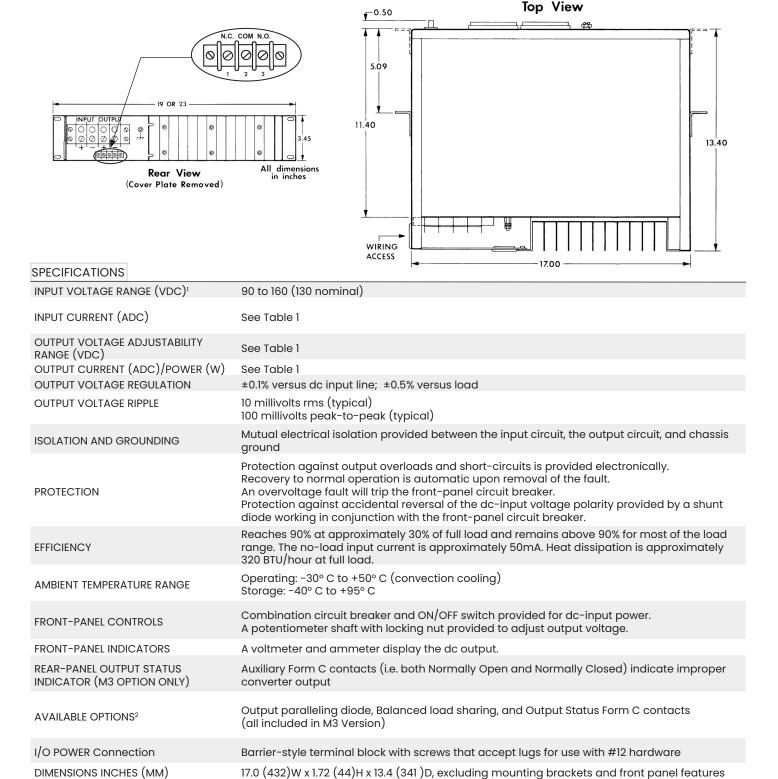
## **MODEL NUMBERING SEQUENCE**

$$\frac{1605}{1} - \frac{130}{2} - \frac{48}{3} - \frac{16}{4} - \frac{M3}{5}$$

- 1. Series 1605
- 2. Input Voltage (130Vdc)
- 3. Output Voltage (Vdc)
- 4. Output Current (Adc)
- 5. Option (M3 or leave blank if standard version with no option is needed)

<sup>&</sup>lt;sup>2</sup>Can be connected as a positive or a negative voltage due to galvanic isolation between the dc input, dc output, and the chassis.

## Series 1605 DC-DC CONVERTERS



Approximately 14 (6.5)

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WEIGHT LBS (KG)

**ACCESSORIES INCLUDED** 

User information guide, brackets for 19-inch rack mounting (flush mounting or 5-inch front

offset mounting); brackets for 23-inch rack mounting available upon request

<sup>&</sup>lt;sup>1</sup> Can be connected as a positive or a negative voltage due to galvanic isolation between the dc input, dc output, and the chassis.

<sup>&</sup>lt;sup>2</sup> Some options may affect voltage regulation, ripple and noise, and efficiency specifications.