

IC693PWR331

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Series 90-30

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In Stock! Power Supply, 24 Vdc, High Capacity IC693P IC693PW
IC693PWR

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Table 4-11. Specifications for IC693PWR331 Power Supply

Nominal Rated Voltage	24 VDC
Input Voltage Range	18 to 30 VDC
Start	18 to 30 VDC
Run	12 to 30 VDC
Input Power	50 watts maximum at full load
Inrush Current	4 Amps peak, 100 milliseconds maximum
Output Power	5 VDC: 30 watts maximum ‡ 24 VDC Relay: 15 watts maximum 24 VDC Isolated: 20 watts maximum <i>NOTE: 30 watts maximum total (all three outputs)</i>
Output Voltage	5 VDC: 5.0 VDC to 5.2 VDC (5.1 VDC nominal) 24 VDC Relay: 19.2 to 28.8 VDC 24 VDC Isolated: 19.2 VDC to 28.8 VDC
Protective Limits	
Overvoltage;	5 VDC output: 6.4 to 7 V
Overcurrent;	5 VDC output: 7 A maximum
Ride-Through Time:	10 ms minimum
Standards	Refer to data sheet, GFK-0867B, or later version for product standards, and general specifications.

‡ Derate per figure below at ambient temperatures above 50°C (122°F).

Current Derating for Higher Temperatures

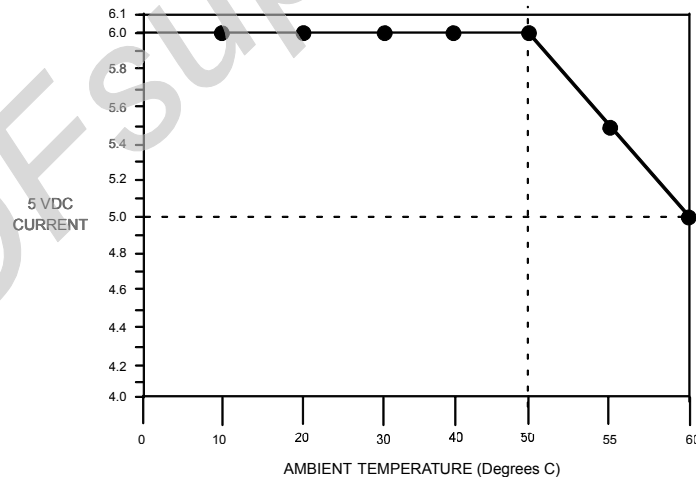


Figure 4-9. 5 VDC Current Output Derating for Temperatures above 50°C (122°F)

Calculating Input Power Requirements for IC693PWR331

Use the following procedure to determine input power requirements for the 24 VDC High Capacity Power Supply:

- Determine total output power load from typical specifications listed for individual modules at the end of this chapter.
- Multiply the output power by 1.5 to determine the input power value.
- Divide the input power value by the operating source voltage to determine the input current requirements
- Use the lowest input voltage to determine the maximum input current
- Allow for start-up surge current requirements
- Allow margins (10% to 20%) for variations