

CHROMA

6314

The Chroma 6314 is a 4-slot programmable DC electronic load mainframe designed for the Chroma 6310 series load modules. It is capable of housing up to four modules to support up to eight channels, offering flexible, multi-channel electronic load configurations up to 1200 W total power.

SPECIFICATIONS

General

Interfaces	GPIB and RS-232 (standard)
Display	VFD (Vacuum Fluorescent Display)
Compatible Modules	Chroma 6310 series load modules

Physical

Power Supply	115 / 230 V AC (selectable) $\pm 10\%$, 47 - 63 Hz, 150 VA max
Operating Temperature	0 to 40 °C °C
Dimensions (W×H×D)	439×176×545 mm mm
Weight	15 kg

System Capacity

Number of Slots	4
Maximum Number of Channels	8 (using dual-channel load modules)

Input Ratings and Operating Ranges

Maximum Total Power	1200 W (configuration dependent)
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Power Input Requirements

Line Voltage Input Range	115 / 230 Vac $\pm 10\%$
Line Frequency Range	47 to 63 Hz
Maximum Power Consumption	150 VA

Physical and Mechanical Specifications

Rack Height Units	4U
Cooling Configuration	Forced air cooling via internal fans

Environmental and Safety Compliance

Operating Temperature Range	0 to 40 °C
Storage Temperature Range	-40 to 75 °C

Operating Modes & Accuracy

Constant Current (CC) Mode Range	Module dependent (up to 240 A depending on configuration)
Constant Voltage (CV) Mode Range	Module dependent (up to 500 V depending on configuration)
Constant Resistance (CR) Mode Range	Module dependent (depending on configuration)
Constant Power (CP) Mode Range	Module dependent (up to 1200 W depending on configuration)

Environmental

Operating Humidity	30% to 90% RH (non-condensing)
Storage Humidity	10% to 95% RH (non-condensing)

Inputs & Outputs

System Bus	For master/slave control and synchronization of multiple mainframes
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Memory & Programming

Store/Recall Memory	100 states
Program Chains	10 chains

APPLICATIONS

Multi-channel power supply testing, battery discharge testing, and DC-DC converter verification

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.