

ORENSEN (AMETEK)

DHP 600-11

The Sorensen DHP 600-11 is a high-power, modular programmable DC power supply designed for demanding test and measurement environments. Delivering up to 600V and 11A for a maximum of 6600W of power, this 3U rackmount system is equipped with robust digital displays, precise front-panel up/down arrow controls, a Power-Off Memory system, and extensive built-in safety protection features.

SPECIFICATIONS

General

Interfaces	Analog programming (standard), RS-232 / GPIB (optional)
Display	Digital display showing voltage, current, power, set points, AC input, and inlet temperature

Physical

Power Supply	Three-phase AC input (options include 208 VAC, 400 VAC, 480 VAC)
Operating Temperature	0 to 50 °C °C
Dimensions (W×H×D)	483 mm × 133 mm × 610 mm mm

Output Specifications

Rated Output Voltage Range	0 - 600 VDC
Rated Output Current Range	0 - 11 A
Maximum Output Power	6600 W

Control and Interface

Power-Off Memory	LAST SET button restores the supply settings
Manual Adjustments	Up/down arrows for voltage, current, and step changes

Protection and Diagnostics

Over Voltage Protection (OVP)	Yes
Over Current Protection (OCP)	Yes
Over Temperature Protection (OTP)	Yes
Short Circuit Protection	Yes
Surge Limit Protection	Yes
Soft Start Capability	Yes
Brown Out Protection	Yes
Front Panel Lockout	Disables controls during remote operation
External Shutdown	Enables remote output inhibition

Physical Characteristics

Form Factor	3U Rackmount
Design Architecture	Modular design with three rackmount profiles based on power output

Performance

Line Regulation (Voltage)	0.1% of rated output voltage
Load Regulation (Voltage)	0.1% of rated output voltage
Line Regulation (Current)	0.1% of rated output current
Load Regulation (Current)	0.1% of rated output current
Temperature Coefficient	Voltage: 0.02%/°C, Current: 0.03%/°C

Environmental

Storage Temperature Range	-40°C to +85°C
Cooling Method	Fan cooled (front/side intake, rear exhaust)

Power Supply

Input Phase	3-phase
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TECHNOLOGY

Switch-mode programmable DC power supply

APPLICATIONS

Automotive testing, aerospace simulation, industrial QA, and high-power DC ATE systems

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