# HDN™

## High Power Density Networked DC Distribution Center

**alpha®**

an EnerSys® company

- 3RU 19"/23" DC power distribution system

- Single & dual input versions available

- 600A maximum and per-bus

- 22 circuit breaker positions (single input); 11A/11B circuit breaker positions (dual input)

- Plug-in bullet terminal circuit breakers—up to 100A per circuit

- Supports 2 and 3-pole circuit breakers

- Per-circuit current monitoring

- Touchscreen LCD with color backlight

- Form-C alarm contacts

- Optional Ethernet interface for remote monitoring

- Clear plastic termination cover for safety

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### The HDN™ 300 and 600 distribution centers are new additions to the Alpha® DC distribution product portfolio.

Now available in 300A and 600A maximum ratings with input landings supporting up to two 750 kcmil cables back-to-back, the Alpha HDN is an advanced breaker panel that provides robust, high-density DC power distribution for rack mount servers and broadband applications such as VOD, CMTS and VOIP.

The HDN is available in single- and dual-input (A/B redundant) versions, and can be used as standalone distribution in equipment racks. Rated at 300 or 600 amps per bus in only 3RU, the HDN provides circuit breaker protection for up to 22 circuits (11A/11B in redundant configuration).

The bright LED backlight changes color under warning and alarm conditions, allowing the operator to quickly see the status of the panel from a distance. A standard dry-contact summary alarm output is also provided.

The optional Ethernet module allows the panel to be remotely monitored over a network. Status data is available via web (HTTP), SNMP, and email notifications.

## Electrical

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|---|---|
| **Voltage:** | -48VDC |
| **Input Busses:** | Single or dual (A/B) |
| **Load Current Per Bus:** | 300A or 600A |
| **Total Load Current:** | 300A or 600A |
| **Alarm Contacts:** | Form-C, 60VDC @ 0.5A max |
| **Circuits:** | Up to 22 |

## Mechanical

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|---|---|
| **Dimensions L x H x D** (in/mm): | 17 x 5.25 x 12.5 / 432 x 133 x 318 |
| **Weight** (lb/kg): | 27 / 12.2 |

## Environmental

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|---|---|
| **Operating Temperature:** | 0 to 50°C |
| **Humidity:** | 0 to 95% RH non-condensing |
| **Elevation:** | -500 to 3000m |
| **Regulatory Compliance:** | **Safety:** ANSI/UL 60950-1 |

## Model Configurations (HDN 300)

| Part Number | Description |
|---|---|
| C016-1660-10 | HDN 300A Distribution Panel; Single Input; Smart; w/o Return Bar |
| C016-1661-10 | HDN 300A Distribution Panel; Single Input; Smart |
| C016-1662-10 | HDN 300A Distribution Panel; A/B Isolated Input; Smart |
| C016-1663-10 | HDN 300A Distribution Panel; A/B Isolated Input; Smart; w/o Return Bar |

## Model Configurations (HDN 600)

| Part Number | Description |
|---|---|
| C016-1720-10 | HDN 600A Distribution Panel; Single Input; Smart; w/o Return Bar |
| C016-1721-10 | HDN 600A Distribution Panel; Single Input; Smart |
| C016-1722-10 | HDN 600A Distribution Panel; A/B Isolated Input; Smart |
| C016-1723-10 | HDN 600A Distribution Panel; A/B Isolated Input; Smart; w/o Return Bar |

## Accessories

| Part Number | Description |
|---|---|
| C590-784-10 | 1-pole 90° Bus Adapter |
| C590-783-10 | 1-pole 45° Bus Adapter |
| C590-782-10 | 2-pole 90° Bus Adapter |
| C590-781-10 | 2-pole 45° Bus Adapter |
| C590-807-10 | 3-pole 90° Bus Adapter |
| C590-806-10 | 3-pole 45° Bus Adapter |
| C740-444-40 | Ethernet Adapter Kit |