DATASHEET

Eluminate AHF

ELUMINATE
Brighter Power Solutions

Technical information for Eluminate AHF. Eluminate uses your system data and measurements to size and verify the solution.

>97 %	<15 ms	<50 µs	Up to 99 %
Harmonic compensation rate	Full response	Fast response	Efficiency

Module sizes and configurations

VOLTAGE · RATED CURRENT	RACK (W × D × H)	WALL (W × D × H)	WEIGHT	EFFICIENCY
400 V · 25 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
400 V · 35 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
400 V · 50 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
400 V · 60 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
400 V · 75 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
400 V · 100 A	500 × 520 × 88 mm	500 × 88 × 520 mm	25 kg	99 %
400 V · 150 A	500 × 520 × 100 mm	500 × 100 × 520 mm	30 kg	99 %
400 V · 300 A	500 × 600 × 220 mm	500 × 220 × 600 mm	60 kg	98.5 %
480 V · 25 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
480 V · 35 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
480 V · 50 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
480 V · 60 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
480 V · 75 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
480 V · 100 A	500 × 470 × 88 mm	500 × 88 × 470 mm	18 kg	99 %
480 V · 125 A	500 × 520 × 88 mm	500 × 88 × 520 mm	25 kg	99 %
480 V · 150 A	500 × 520 × 100 mm	500 × 100 × 520 mm	30 kg	99 %
480 V · 300 A	500 × 600 × 220 mm	500 × 220 × 600 mm	60 kg	98.5 %

Dimensions are W × D × H and depend on rack or wall mounting. Select the correct mounting when planning the installation. Technical values and documentation are confirmed for the specific configuration.

Control and compensation

- Supply- or load-side current transformer (CT) measurement
- FFT, intelligent FFT and instantaneous p-q control
- Harmonic compensation rate >97 %
- Full response <15 ms · fast response <50 µs
- Power factor target in both inductive and capacitive direction

Communication and monitoring

- RS485 / Ethernet (RJ45) · Modbus RTU / TCP/IP
- 4.3" module display (HMI)
- 7" central control screen (HMI) for cabinet solutions

Protection and robustness

- Over- and undervoltage protection
- Inverter bridge and overcompensation protection
- Temperature and altitude derating included in sizing

Mechanics and system integration

- Wall, rack or complete cabinet solution
- IP20 modules
- Central HMI for cabinet solutions
- Parallel modules to match the installation's needs

ELUMINATE AHF · WALL MOUNTING



400 / 480 V | RS485 / Ethernet (RJ45) · Modbus RTU / TCP/IP | Wall / rack / cabinet | IP20 modules | 4.3" module display (HMI) · 7" central HMI for cabinet solutions

SIZING AND QUOTES

The brochure online with datasheets and meeting booking

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Book a meeting