

Press Kit

# ACL Series Electronic AC + DC Loads 3-Phase AC Loads

## ACL系列三相交-直流负载

H&H presents the new ACL 3-phase loads working in both DC and AC mode.

The ACL load works with 3-phase networks which makes the complex wiring of 3 single devices, each loading one phase, unnecessary.

The new generation device impresses with its large, brilliant touch display which can be configured user-specifically.

H&H 研发成功新一代 ACL 三相交-直流负载，即可在 AC 模式下工作，也可以在DC模式下工作。

A CL负载可以直接接入三相网络一起工作；而过去单独3个单个设备，必须通过复杂的布线，才能组成三相负载。

新一代ACL三相交直流负载，使用4.3"的彩色触摸显示屏，一次完成三相负载的设置和控制，大大简化了测试流程。



## Basic Operating Modes (基本操作模式)

CC, CP, CR, CV

## Combined Operating Modes (组合操作模式)

CC+CV, CR+CC+CV, CP+CC+CV, CV+CC

## Maximum Input Voltage (最大输入电压)

280 / 500 V AC

400 / 700 V DC

## Current (最大输入电流)

3 x 5 A ... 3 x 60 A

## Power (最大输入功率)

3 x 1,400 W ... 3 x 8,400 W

## Frequency Range (频率范围)

DC, 40 ... 1,000 Hz

## Standard Interfaces (标配接口)

Ethernet + USB + RS-232, CAN

## Optional Interfaces (选配接口)

GPIO, galvanically isolated I/O port

## Features

- 4.3" touchscreen user interface
- Parallel, star and delta connection possible
- Dynamic loads
- Programmable waveforms (sine, harmonics, arbitrary)
- Programmable phase shift in combination with phase cut or crest factor
- SCPI programming with measurement function
- Electronic protection
- Optional: isolated analog control input and isolated analog monitor outputs for voltage, current

## Model Overview

Model (order number)	ACL4228D	ACL8428D	ACL12628D	ACL16828D	ACL21028D	ACL25228D
Maximum input voltage V <sub>max</sub>	280 V AC	280 V AC	280 V AC	280 V AC	280 V AC	280 V AC
Maximum current I <sub>max</sub>	3 x 10 A	3 x 20 A	3 x 30 A	3 x 40 A	3 x 50 A	3 x 60 A
Continuous power	3 x 1,400 W	3 x 2,800 W	3 x 4,200 W	3 x 5,600 W	3 x 7,000 W	3 x 8,400 W
Housing	19", 6 U	19", 10 U	19", 14 U	19", 18 U	19", 22 U	19", 26 U

Model (order number)	ACL4250D	ACL8450D	ACL12650D	ACL16850D	ACL21050D	ACL25250D
Maximum input voltage V <sub>max</sub>	500 V AC	500 V AC	500 V AC	500 V AC	500 V AC	500 V AC
Maximum current I <sub>max</sub>	3 x 5 A	3 x 10 A	3 x 15 A	3 x 20 A	3 x 25 A	3 x 30 A
Continuous power	3 x 1,400 W	3 x 2,800 W	3 x 4,200 W	3 x 5,600 W	3 x 7,000 W	3 x 8,400 W
Housing	19", 6 U	19", 10 U	19", 14 U	19", 18 U	19", 22 U	19", 26 U

The information in this document is subject to change without notice.

## Industries (工业)

- Automotive - 汽车工业
- Rail industry - 轨道交通
- Renewable energies - 新能源
- Research & development - 研究和开发
- Industry in general - 通用工业
- Aerospace - 航空航天
- Medical technology - 医疗科技
- Military - 军工

## Application fields (应用领域)

- Control units - 控制单元
- Converters - 变换器
- Electromechanics (sockets, cables, ...) - 机电材料
- Electronic components - 电器器件
- Energy storage devices - 储能装置
- Generators (smart grid, ...) - 发电机、智能电网
- Measuring instruments (electricity and energy meter, ...) - 测量仪器
- Motors - 电动机
- Power supplies (transformers, UPS, chargers, ...) - 电源、变压器、UPS、充电装置、传感器

## 系统特性

操作界面：4.3" 彩色触摸屏

三相方式：星形、三角形，及并联

波形编辑：正弦波、谐波、任意波、方波

波形组合：相位偏移 + 波峰因数、相位偏移 + 相位角

动态负载：电压、电流、时间控制

程控软件：ACL Tool

编程命令：标准 SCPI 仪器语言

模拟程控：隔离式电压、电流编程和测量

保护功能：过压、过流、过功率、过温度