

# DCL10

Scalable resistive DC load from 0 to 10 kW

## Product Features

- SCADA and communication bus for remote operability.
- Maximum. voltage allowed 800 Vd.c.
- Multiple d.c. load steps through remote or manual selection.
- selection of the operation mode: manual or automated
- Main switch and emergency button.
- External connection boxes for handing the grid-connection to island control

## Applications

- Smart and Microgrids operating in d.c.
- Loading 1Q d.c. power sources feeding bidirectional converters
- Resistive d.c. load for automated test to validation and certification purposes.



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## Switch Steps @ 750 Vd.c.

- Switch 1: 1063 W (132 Ω)
- Switch 2: 1860 W (75 Ω)
- Switch 3: 2658 W (53 Ω)
- Switch 4: 5316 W (26 Ω)

## Mechanical Enclosure

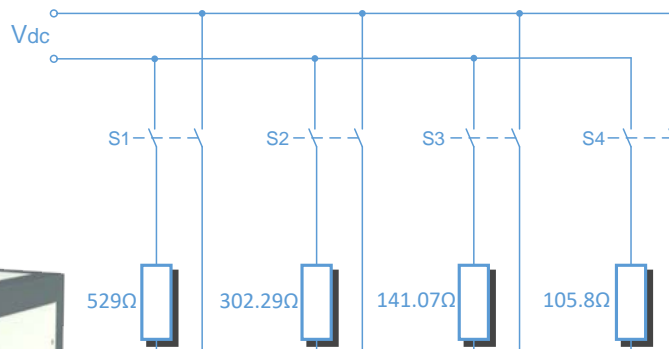
- Steel enclosure
- Installed in a rack with wheels
- Forced ventilation produced by fans
- Dimensions & Weight:  
600W x 1220D x 710H mm, 125.5kg

## Communication

- Controlled by Modicon M221 PLC of Schneider Electric
- Communication protocol: Ethernet (Modbus TCP), Serial (Modbus RTU, Modbus ASCII, ASCII)

## Power Steps @ 750 Vd.c.

P1	1063 W
P2	1860W
P3	2660 W
P1+P2	2924 W
P1+P3	3722 W
P2+P3	4520 W
P4	5317 W
P1+P2+P3	5580 W
P1+P4	6380 W
P2+P4	7177 W
P3+P4	7975 W
P1+P3+P4	9038 W
P2+P3+P4	9835 W
P1+P2+P3+P4	10900 W



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## Examples and guides

- Schematics and User Guide
- SCADA integration manual
- Configuration files and examples for Vijeo Citect



# NRG.Lab

NRG.Lab a UPC spin-off

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