**Windpower heat control unit DLC2000**

**Concept:**

The Unit has a 3 phase Input. The ac voltage is rectified and smoothened. Then a dummpload resistor or heating element, which has to be connected to the terminals of the control unit, will be switched on and off in short intervals of a few milliseconds via an IGBT Transistor. This simulates a load of variable resistance so that the generator will only be as much loaded, as energy could be delivered by the momentary windspeed. This is called power curve. It adapts the load resistor to the incoming windpower, which is derived from the generator ac-voltage.

![Power via Ugen](image)

Example of a programmed power curve

**Specifications:**

- Minimum dumpload resistance (heating element): 21 Ohms
- Maximum Power: 3000W
- Maximum AC-Voltage: 370Vac
- Maximum DC-Voltage: 500Vdc
- Overcurrent switch off: 23Adc
- Maximum constant current: 18Adc
- Maximum Temperature: 60°C
- Minimum Temperature: -10°C
- Boardsupply: 14Vdc/5Vdc
- Internal consumption: 2mA
- Fuses: 3x16At, 5x32mm, 1x0.63At, 5x32mm
- Wall mounting enclosure: WxHxD 30x30x15cm

Specifications subject to change without notice
Terminals: 5x10/16mm²
Inputs: 3 phase alternating current, R S T or dc with polarity in any order
Output: 2 terminals for dumpload resistor, -Rl, +Rl
Cabel glands: 2xPG16
Protection: IP54

wall mounted enclosure 30x30x15cm