

# WATER STACK GRW 2

**Address**

Via Archimede 18  
Sesto San Giovanni (MI) 20099  
Italy

**Phone**

T: +39 02.26.22.40.54  
F: + 39 02.24.06.945

**Email / Web**

commerciale@secompower.it  
info@secompower.it  
www.secompower.it

# About Us

## FOUNDED IN 1975, SECOM IS A LEADING COMPANY FOR THE DISTRIBUTION AND PRODUCTION OF COMPONENTS AND DEVICES FOR POWER ELECTRONICS

SECOM continuously carries out new research and technical proposal in conjunction with important clients, providing technical support to meet their specific needs.

Production excellence and efficient organization allow SECOM to commit itself to providing to the market with timely and professional service in numerous sectors of static energy conversion. Flexibility and short delivery time have become pillars to SECOM's company policy.

### WHO WE ARE



Over the years the company has become an important designer and manufacturer of power electronic devices for industrial automation manufacturing technologies

### WHAT WE DO



SECOM studies and manufactures customized solutions on behalf of its customers.

# CONTENTS



4	OVERVIEW
5	PRODUCTS TABLE

# GRW2

## OVERVIEW

---

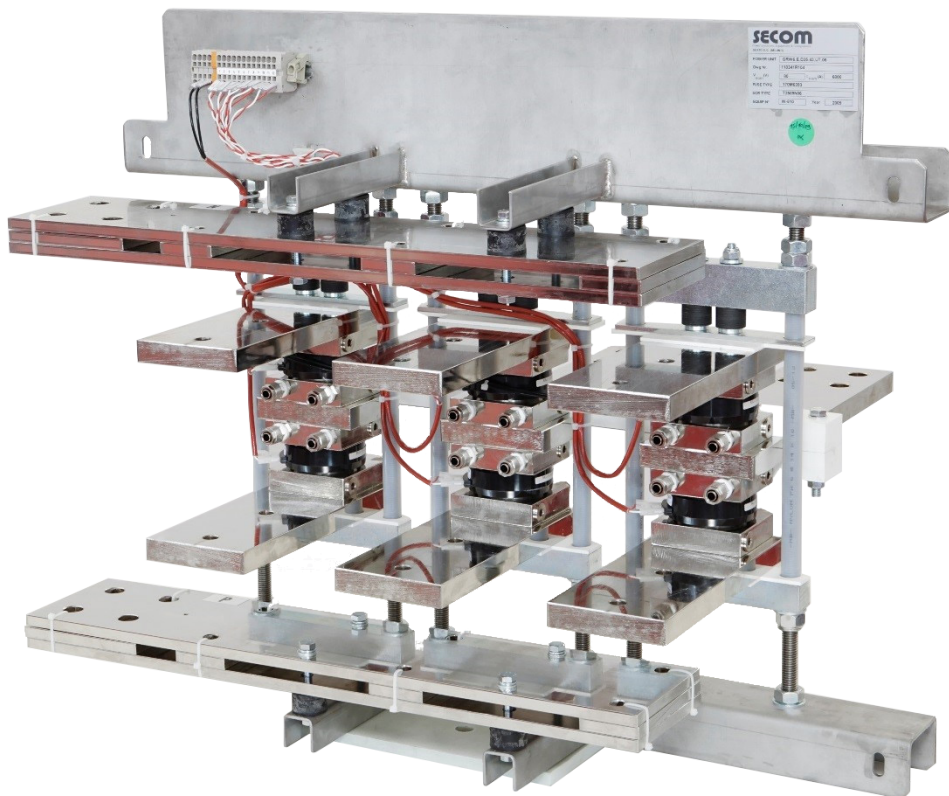
SECOM offers a wide range of **water cooled products** (forced water) made on customer specifications, according to the performance required.

The staks are mainly made with disk components cooled by a pair of water heatsinks that tighten the component.

Different circuit configurations are made including:

- Diode bridge branches
- Thyristor bridge branches
- Three-phase thyristor bridges
- Three-phase diode bridges
- Diode bridges in double star configuration
- Bidirectional bridges
- Single phase AC switch
- Three-phase AC switch.

The family of this type of converter ranges from 2000A to 16000A.



# PRODUCTS

## TABLE

Description	Topology	Voltage [V <sub>rrm</sub> ]	Current [A]
GRW2.2000.UT04/06	Three-phase unidirectional	400 - 600	2000
GRW2.2500.UT04/06	Three-phase unidirectional	400 - 600	2500
GRW2.3500.UT04/06	Three-phase unidirectional	400 - 600	3500
GRW2.4500.UT04/06	Three-phase unidirectional	400 - 600	4500
GRW2.5000.UT04/06	Three-phase unidirectional	400 - 600	5000
GRW2.6000.UT04/06	Three-phase unidirectional	400 - 600	6000
GRW2.7000.UT04/06	Three-phase unidirectional	400 - 600	7000
GRW2.9000.UT04/06	Three-phase unidirectional	400 - 600	9000
GRW2.9000.DT04/06	Double star thyristor bridge	400 - 600	9000
GRW2.12000.DT04/06	Double star thyristor bridge	400 - 600	12000
GRW2.16000.DT04/06	Double star thyristor bridge	400 - 600	16000
GRW2.5000.RT04/06	Three-phase diode rectifier	400 - 600	5000
GRW2.6000.RT04/06	Three-phase diode rectifier	400 - 600	6000
GRW2.7000.RT04/06	Three-phase diode rectifier	400 - 600	7000
GRW2.9000.RT04/06	Three-phase diode rectifier	400 - 600	9000
GRW2.12000.RT04/06	Three-phase diode rectifier	400 - 600	12000
Stack GRW2.x000.UT04/6	Thyristor bridge branch	400 - 600	From 2000A to 9000A
Stack GRW2.x000.RT04/6	Diode bridge branch	400 - 600	From 2000A to 12000A

In the various configuration the stack can be equipped with semiconductor protection fuses, snubber filter for each semiconductor, current transducers, thermal pads or NTC.

# PRODUCTS

## TABLE

---

In this special water-cooled product family we can also find other low voltage bridges like the GRW6, the GR9W and the GR9AW.





