


OPEN FOR  
CHALLENGES

# DC *Generation*

# G5







# *G5 Family of Advanced DC Power Solutions*

## **G5 Family Overview**

- From 0...60 VDC to 0...3000 VDC
- From 0...9 kW to 0...2000+ kW
- **Unrivalled current-voltage range:**
  - Series / parallel / mixed mode operation
  - Parallel mode even with devices of different power
  - Easy manual or automatic system reconfiguration
- **Small footprint: up to 216 kW in one single cabinet**
- **Application specific solutions:**
  - Automotive, Solar, Energy Storage, Aerospace, Universal R+D



## Selectable Dynamics

- **LowCap** output filter for fast CV steps for automotive standard testing
- **HighCap** output filter for optimum voltage stability for battery simulation
- Fast CC/CP steps with **no overshoot** for battery testing or **ultra-fast rise time**

## System Solutions

- **Mobility:** mobile systems up to **162 kW**
- **Safety:** up to **PL e**
- **Environment:** IP20, IP54, airfilter, liquid cooling
- **Controls:** LAN, CAN, EtherCat, USB, API for easy test bench integration
- Advanced modular concept

## Specific Hardware Options

- Reverse Polarity Protection RPP for safe battery testing
- DC Discharge Unit DDU for controlled DC discharge
- SELV for low voltage devices 60 V



9 / 18 kW – 4 U



27 / 36 kW – 7 U



45 / 54 kW – 10 U

# G5 Family of Finely Graduated DC Power Supplies

		Voltage									
		60 V	80 V	160 V	240 V	320 V	500 V	1000 V	1500 V	2000 V	3000 V
Multi cabinet	2000+ kW	•	•	•	•	•	•	•	•	•	•
	↑	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Single cabinet	216 kW	•	•	•	•	•	•	•	•	•	•
	162 kW	•	•	•	•	•	•	•	•		
	108 kW	•	•	•	•	•	•	•	•	•	•
	72 kW	•	•	•		•	•	•		•	
	54 kW	•	•	•	•		•	•	•		•
	45 kW	•	•				•				
	36 kW	•	•	•		•	•	•		•	
	27 kW	•	•		•		•		•		
	18 kW	•	•	•			•	•			
	9 kW	•	•				•				



## Application-Specific Solutions

- G5.BT Battery Tester Series
- G5.CT Charger Tester Series
- G5.DT Drivetrain Tester Series
- G5.BAS Battery Simulator Series
- G5.SAS Solar Array Simulator Series

## Universal Programmable Power Supplies

- G5.RSS Regenerative DC Source-Sink Series
- G5.SRC DC Power Supply Series
- G5.RLD Regenerative DC Electronic Load Series
- G5.UNV Universal Regenerative DC Source-Sink Series

**50+** years of innovation since 1969



For detailed technical information, contact REGATRON or your local sales partner.

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