



**GROW CONTROL
POWER TECH PVT. LTD.**

We Provide Solutions....

AN ISO 9001:2015 COMPANY



PROGRAMMABLE DC POWER SUPPLY



GROW CONTROL is a research-driven power electronics organization that integrates technology, innovation, and engineering to transform concepts into world-class products and solutions.

GROW CONTROL Programmable DC Power Supply is a versatile and reliable solution designed to meet the demanding requirements of industrial applications. With indigenous technology, this power supply enables precise control over voltage and current, making it ideal for various testing, automation, and research applications. Whether for powering equipment in laboratories or for automated production lines, our programmable DC power supply offers flexibility, efficiency, and performance.

GROW CONTROL Programmable DC Power Supply offers a high-performance solution for a variety of industrial applications, ensuring reliable and precise power delivery. Utilizing **indigenous technology**, these power supplies are engineered to meet the demands of automation, testing, and research sectors, delivering exceptional performance and versatility.

Features

- **Wide Output Range:** Delivers output voltage from 0 to 60 V and current from 0 to 100 A, accommodating a variety of industrial applications.
- **High Efficiency:** Designed to achieve efficiencies greater than 90%, reducing operational costs and energy consumption with in-built PFC.
- **Programmable Control:** Features advanced programming capabilities through a user-friendly interface, allowing for easy adjustment of voltage and current settings.
- **Remote Operation:** Supports remote control via RS-232, USB, or Ethernet for seamless integration into automated systems.
- **Data Logging:** Capable of logging voltage and current values for analysis and reporting, enhancing monitoring and troubleshooting.
- **Comprehensive Protection:** Integrated over-voltage, over-current, and over-temperature protection mechanisms ensure safe operation.
- **EMI/EMC Compliance:** Designed to meet Industrial and EN 55022 standards, ensuring minimal electromagnetic interference.

Key Advantages

1. Indigenous Technology:

Developed and manufactured in India, ensuring compatibility with local industry requirements and accessible technical support.

2. Versatile Applications:

Suitable for a wide range of industrial applications, providing flexibility and adaptability in usage.

3. High Reliability:

Engineered for stability and accuracy, ensuring consistent performance in demanding operational environments.

4. Energy Efficient:

Low power losses contribute to cost savings and improved sustainability, making it an environmentally friendly choice.

5. Customizable Solutions:

GROW CONTROL offers tailored solutions to meet specific operational requirements, ensuring optimal functionality for every application.

Applications

1. Industrial Automation:

Provides reliable and precise power for automated machinery and equipment in manufacturing processes.

2. Test and Measurement:

Ideal for laboratory use in testing and characterizing electronic devices, components, and systems.

3. Research and Development:

Supports experimental setups in research laboratories, facilitating exploration and testing of new technologies.

4. Telecommunications:

Powers telecommunications equipment and systems, ensuring reliable operation and performance.

5. Battery Charging:

Suitable for charging various types of batteries with programmable current and voltage settings.

Customization Options

GROW CONTROL offers a variety of customization options for the Programmable DC Power Supply to accommodate specific application requirements:

- **Custom Voltage and Current Ratings**
- **Enhanced Programming Features** for specific applications
- **Integrated Monitoring Systems** for real-time performance feedback
- **Modular Configurations for Increased Capacity**
- **Communication Interfaces** for enhanced integration with other systems

Our engineering team collaborates with clients to deliver tailored solutions that precisely fit their operational needs, ensuring optimal performance and compatibility.

Why Choose **GROW CONTROL**?

- **Indigenous Expertise:** Tailored to meet Indian industry standards with local support for customization and maintenance.
- **Reliable and Consistent Performance:** Ensures precise and repeatable power delivery essential for critical applications.
- **Low Maintenance Requirements:** Durable design reduces wear and tear, minimizing downtime and maintenance costs.
- **Energy Efficient and Cost-Effective:** Low energy losses lead to cost savings and enhanced operational efficiency.
- **Customer Support:** From initial design consultation to installation and ongoing support, **GROW CONTROL** offers a full range of services.

Certifications

- **MIL-STD-810** – Environmental Testing Standards
- **MIL-STD-461** – Electromagnetic Compatibility Standards
- **EN 55022** – EMI Compliance
- **ISO 9001:2015** – Quality Management Systems



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Technical Specifications

Height	Model No	Output Voltage (V)	Output Current (A)	Output Power (W)
1.5kW in 1U Height	GCP 30-5	30	5	150
	GCP 80-5	80	5	400
	GCP 60-12.5	60	12.5	750
	GCP 80-9.5	80	9.5	760
	GCP 600-1.3	600	1.3	780
	GCP 60-50	60	50	1000
	GCP 40-36	40	36	1440
	GCP 60-25	60	25	1500
	GCP 12.5-120	12.5	120	1500
2160W/2400W in 2U Height	GCP 120-18	120	18	2160
	GCP 80-30	80	30	2400
	GCP 100-50	100	50	2400
3000W/3300W/3360W/5000W/10000W/15000W in 3U Height	GCP 60-50	60	50	3000
	GCP 300-10	300	10	3000
	GCP 100-33	100	33	3300
	GCP 15-220	15	220	3300
	GCP 100-150	100	150	3300
	GCP 80-42	80	42	3360
	GCP 100-100	100	100	5000
	GCP 40-250	40	250	10000
	GCP 50-150	50	150	10000
	GCP 60-200	60	200	10000
	GCP 150-70	150	70	10000
	GCP 100-150	100	150	15000
20000W / 50000W in 6U to 12U Height	GCP 160-125	160	125	20000
	GCP 500-100	500	100	50000

