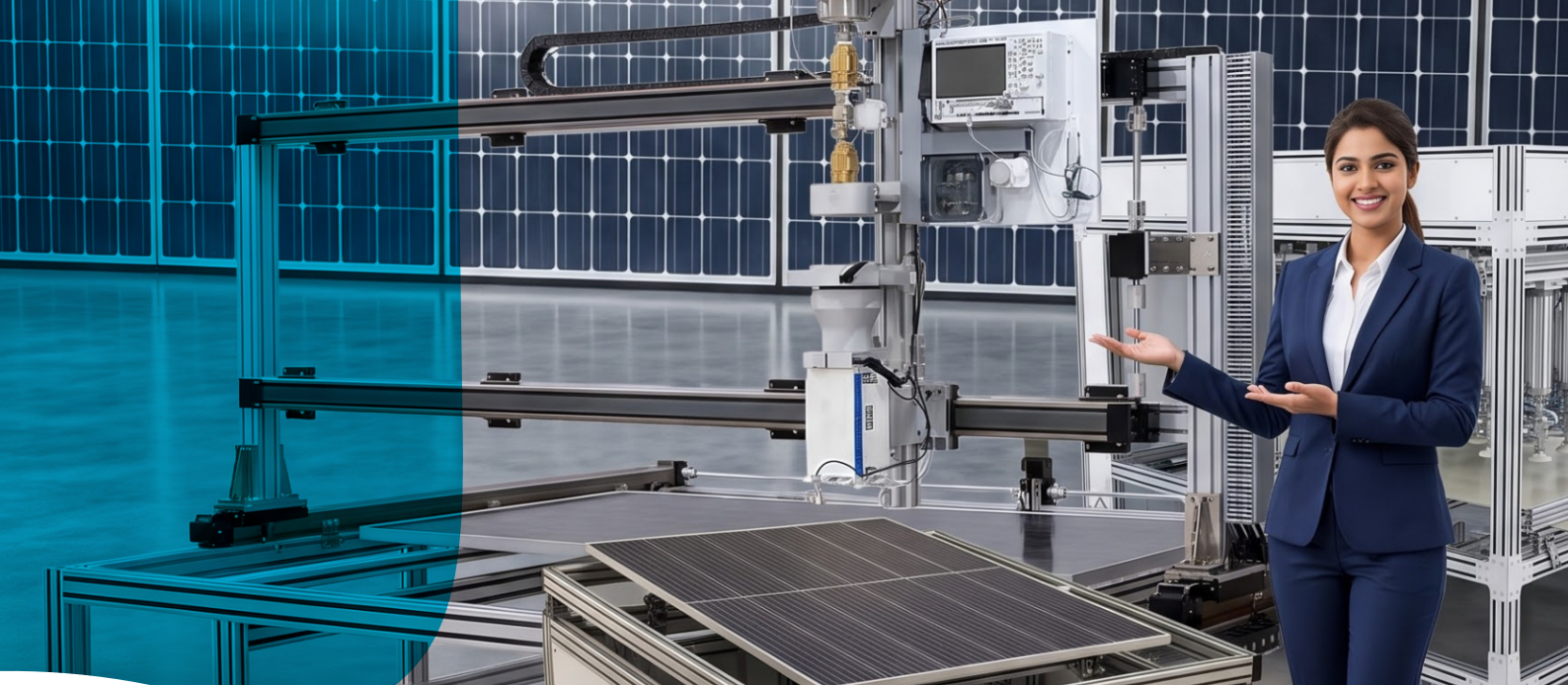


SUPERCONTROL

CATALOG

2026 PROGRAMMABLE DC POWER SUPPLIES AND OTHER PRODUCTS

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SUPERCONTROL

Reliable Components
Consistent Testing
Continued Performance

SCA is India's Only Manufacturer of **Solar PV Module Testing Equipment**

Introduction

Super Control & Automation offers a range of programmable DC power supplies, measurement components, and specialized accessories for industrial testing applications. Designed to support controlled testing, reliable measurements, and consistent equipment performance, our product range caters to diverse testing and maintenance requirements.

Programmable DC Power Supplies

Precision Power. Controlled Output. Reliable Testing.

Designed to provide adjustable electrical output for testing applications, programmable power supplies support controlled test conditions and repeatable equipment operation. Suitable for applications requiring configurable voltage and current settings, depending on the selected model.

Load Cell and Controllers

Precision Force Measurement. Intelligent Control.

SCA offers load cells and digital controllers designed for accurate force measurement, load monitoring, and weighing applications. Combining reliable sensing with configurable digital measurement and control, these components support mechanical testing machines, industrial weighing systems, and automation applications.

UV Lamp and Controllers

Advanced UV Curing. Consistent Process Performance.

SCA offers UV lamps and electronic controllers for industrial ultraviolet curing and exposure applications. Designed to support controlled UV output across compatible systems, these solutions serve a range of processes, including solar PV testing, industrial printing, offset printing, coating, PCB graphic transfer, and screen-printing curing.

21+YRS	20+	24 HRS	ISO
Engineering Excellence	In-House Service Engineers	Service Response Commitment	Certified Quality System



Why Industries **Choose Us?**

21+YEARS
of Engineering Excellence

20+
In-House Service Engineers

24 HRS
In-House Service Engineers

ISO
Certified Quality System

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Totally Made in India

SUPERCONTROL

SUPER CONTROL & AUTOMATION

India's Only Manufacturer of Solar PV Module Testing Equipment

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OUR CERTIFICATION

SUPERCONTROL



QUALITY RESEARCH ORGANIZATION

Certificate of Registration

This is to certify that

SUPER CONTROL & AUTOMATION

PLOT NO. 5, NANGLA GUJRAN, NEAR SHYAM DHARAM KANTA, SOHNA ROAD, FARIDABAD -121004, HARYANA, INDIA

has been independently assessed by QRO and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

DESIGN, MANUFACTURING, SUPPLY, INSTALLATION OF PROCESS AUTOMATION & MACHINE AUTOMATION SYSTEM, AS WELL AS SPECIAL PURPOSE TESTING EQUIPMENTS & MACHINES, SOLAR PV MODULE TESTING EQUIPMENTS, DIE AND MOULDS

Date of Certification: 8th September 2026
1st Surveillance Audit Due: 7th September 2027
2nd Surveillance Audit Due: 7th September 2028
Certificate Expiry: 7th September 2029

Certificate Number: 305026090861Q

Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit. (In case surveillance audit is not allowed to be conducted: this certificate shall be suspended / withdrawn).
The Validity of this certificate can be verified at www.qrocert.org
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has been independently assessed by QRO and is compliant with the requirement of:

ISO 14001:2015

Environmental Management System

For the following scope of activities:

DESIGN, MANUFACTURING, SUPPLY, INSTALLATION OF PROCESS AUTOMATION & MACHINE AUTOMATION SYSTEM, AS WELL AS SPECIAL PURPOSE TESTING EQUIPMENTS & MACHINES, SOLAR PV MODULE TESTING EQUIPMENTS, DIE AND MOULDS

Date of Certification: 8th September 2026
1st Surveillance Audit Due: 7th September 2027
2nd Surveillance Audit Due: 7th September 2028
Certificate Expiry: 7th September 2029

Certificate Number: 305026090863E

Head of Certification

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has been independently assessed by QRO and is compliant with the requirement of:

ISO 45001:2018

Occupational Health and Safety Management System

For the following scope of activities:

DESIGN, MANUFACTURING, SUPPLY, INSTALLATION OF PROCESS AUTOMATION & MACHINE AUTOMATION SYSTEM, AS WELL AS SPECIAL PURPOSE TESTING EQUIPMENTS & MACHINES, SOLAR PV MODULE TESTING EQUIPMENTS, DIE AND MOULDS

Date of Certification: 8th September 2026
1st Surveillance Audit Due: 7th September 2027
2nd Surveillance Audit Due: 7th September 2028
Certificate Expiry: 7th September 2029

Certificate Number: 305026090862HS

Head of Certification

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Our Clientele

Every product across all three verticals — Testing Equipment, Die Cast Mould Components, and Special Purpose Machinery — is designed, fabricated, assembled and calibrated within SCA's own Make-in-India Manufacturing Facility in Faridabad, Haryana. Nothing is outsourced to third-party job shops for critical build or service work.

SOLAR PV TESTING : Independent Labs

ACE TEST LABS

BTH "our footprint evidences our quality"

TECHLAB

EAMP LABORATORIES — ELECTRICAL, ANALYTICAL, MECHANICAL & PHOTOMETRY

UL Solutions

Terawatt Testing And Research Institute Pvt. Ltd.

ALPHA TEST HOUSE

Presto Laboratories Pvt Ltd

Mitsui Chemicals Group

MITSUI CHEMICALS INDIA PVT. LTD.

URS — UNITED REGISTRAR OF SYSTEMS

ERDA

SOLAR PV TESTING : Module Manufacturing

Reliance NEW ENERGY

adani Solar

RPSG SOLVANTA

ZNSHINESOLAR

EN-ICON Harvesting the sun

ACME Leading Through Innovation

LOOM

GOLDI SOLAR

PIXON Redefining Solar

CME

SILVER PUMPS | MOTORS | AGRI

ReNew

AVAADA

LUMINOUS

RAYZON SOLAR

COSMIC Solar For A Better Future

OSWAL RENEWABLE ENERGY Greener | Cleaner | Smarter

KNACK

ADM Solar

IMA SOLAR TOGETHER WE SHINE

NOVA Every day is a SUN day

navitassolar conserve | sustain | flourish



Our Clientele

Every product across all three verticals — Testing Equipment, Die Cast Mould Components, and Special Purpose Machinery — is designed, fabricated, assembled and calibrated within SCA's own Make-in-India Manufacturing Facility in Faridabad. Nothing is outsourced to third-party job shops for critical build or service work.

Die Cast Mould

CLUTCH F.C.C. TECHNOLOGY

ROCKMAN

Global Autotech

samvardhana motherson

ASK®

Special Purpose Machinery

MINDA

UNO MINDA DRIVING THE NEW

SAN AERO

NIKKO AUTO LIMITED

Suprajit

ANMOL Excellence in Starting System & Automotive Horn

motherson sumi systems limited

HELLA

addon® engineering private limited

WSD-1KW Series Programmable Digital DC Power Supply

Parameter	Specification
Series	WSD-1KW Series Digital DC Power Supply
AC Input Voltage	Single-Phase 220VAC , 50–60Hz
Power Factor	> 0.92
Voltage Display Accuracy	< 0.2\% (CV Mode)
Current Display Accuracy	< 0.3\% (CC Mode)
Minimum Resolution	1 mV/1mA
Display Type	5-Digit Voltage Display, 4-Digit Current Display
Voltage Ripple	V RMS < 0.3\%
Dynamic Response Time	10 ms
Rise Time	10ms - 10s (Selectable / Adjustable Slope)
Programmable Functions	10 groups, 1–65535 cycles, holding time 1s–10000s
Protection Modes	Over Voltage (OVP), Over Current (OCP), Over Power (OPP), Over Temperature (OTP)
Interfaces	Standard RS485 (Optional: RS232)
Cooling Method	Air Cooling
Operating Temperature	5° C to 45° C
Dimensions (W × H × D)	210 x 88 x 350 mm
Weight	6 Kg



The WSD-1KW Series is a high-performance microprocessor-controlled digital DC power supply featuring 1 m V/ 1 m A resolution, <10 \ ms dynamic response, and zero-overshoot startup with adjustable rising slopes. Designed for precision laboratory, research, and industrial testing, it delivers stable, low-ripple power for LED aging, automotive electronics, and component testing.

WSD-2U High-Voltage Series Programmable Digital DC Power Supply

Parameter	Specification
Series	WSD-2U High-Voltage Series Digital DC Power Supply
AC Input Voltage	Single-Phase 220VAC , 50–60Hz
Voltage Display Accuracy	<0.2%
Current Display Accuracy	< 0.3% +20mA
Minimum Resolution	1 mV/1mA
Display Type	5-Digit Voltage Display, 4-Digit Current Display
Voltage Ripple	V RMS < 0.3\%
Dynamic Response Time	<10 ms
Rise Time	10ms - 10s (Selectable / Adjustable Slope)
Programmable Functions	10 groups, 1–65535 cycles, holding time 1s–10000s
Protection Modes	Over-Voltage (OVP), Over-Current (OCP), Over-Power (OPP), Over-Temperature (OTP)
Interfaces	Standard RS485 (Optional: RS232)
Cooling Method	Air-cooled
Operating Temperature	5° C to 45° C
Dimensions (W × H × D)	210 x 88 x 350 mm
Weight	6 Kg



The WSD-2U High-Voltage Series is a high-performance microprocessor-controlled digital DC power supply featuring precision resolution 1 m V/ 1 m A, rapid dynamic response <10 ms, low ripple, and zero-overshoot startup with configurable rise slopes. Built in a robust 2 Uchassis, it delivers stable, high-voltage power for industrial burn-in, photovoltaic testing, aerospace applications, and high-voltage component testing.

WSDB Series Wide Range Programmable DC Power supply

Parameter	Specification
Series	WSDB Series Wide Range Programmable DC Power Supply
AC Input Voltage	1KW–3KW: Single-Phase 220VAC ±10%6KW–8KW: Three-Phase 380VAC ±10%
AC Input Frequency	50–60Hz
Voltage Accuracy	<0.1% of rated value
Current Accuracy	<0.15% of rated value + 20mA
Power Accuracy	<0.3% of rated value
Minimum Resolution	1mV/0.1mA
Display Type	4.3-Inch High-Brightness TFT Display
Voltage Ripple	<0.1% of rated value
Protection Modes	Over-Voltage, Over-Current, Over-Power, Under-Voltage, Under-Current, Short-Circuit, Over-Temperature
Standard Interfaces	RS485 / CAN
Optional Interfaces	RS232, USB, LAN, Dry Node, Analog Interface
Cooling Method	Temperature-controlled air cooling
Operating Temperature	-5°C to 45 C
Dimensions (W × H × D)	325×88×450 mm (1KW)425×88×450 mm (2KW & 3KW)425×132×551.5 mm (6KW & 8KW)
Weight	9 kg (1KW) / 14 kg (2KW & 3KW) / 25 kg (6KW & 8KW)



The WSDB Series is a wide-range programmable DC power supply delivering up to 1500V, 100A, and 3KW in a compact 2U/3U chassis. Featuring a 4.3-inch TFT display, automatic wide-range auto-ranging output, high precision 1 m V/0.1 mA resolution), CV/CC priority, and advanced functions (LIST programming, charging curves, and function generators), it provides versatile, stable power for aerospace, EV, battery testing, and automated test systems (ATE).

WSD-10KW Series Programmable Digital DC Power Supply

Parameter	Specification
Series	WSD-10KW Series Digital DC Power Supply
AC Input Voltage	Three-Phase 380VAC ±10%, 50–60Hz (Power Factor >0.92)
Voltage Display Accuracy	<0.2% of rated value
Current Display Accuracy	<0.3% of rated value + 20mA
Minimum Resolution	10mV/1mA
Display Type	5-Digit Voltage Display, 4-Digit Current Display (LCD)
Voltage Ripple	Vrms<0.3% of rated value
Dynamic Response Time	<10ms
Rise Time	500ms-10s (Selectable / Adjustable Slope)
Programmable Functions	10 groups, 1–65535 cycles, holding time 1s–10000s
Protection Modes	Over-Voltage (OVP), Over-Current (OCP), Over-Power (OPP), Over-Temperature (OTP)
Interfaces	Standard RS485 (Optional: RS232)
Cooling Method	Air-cooled
Operating Temperature	-5°C to 45 C
Dimensions (W × H × D)	425×132×552 mm
Weight	24 kg



The WSD-10KW Series is a high-performance, microprocessor-controlled digital DC powersupply delivering up to 10KW across wide voltage ratings (100V to 1500V). Featuring a high-precision 5-digit voltage and 4-digit current display, rapid dynamic response (< 10ms), lowripple, and zero-overshoot startup with adjustable rise slopes, it provides reliable, stable powerfor heavy-duty industrial testing, aerospace, EV motor burn-in, and automated systems.

WSD-3KW Series Programmable Digital DC Power Supply

Parameter	Specification
Series	WSD-3KW Series Digital DC Power Supply
AC Input Voltage	Single-Phase 220VAC ±10%, 50–60Hz (Power Factor >0.92)
Voltage Display Accuracy	<0.2% of rated value
Current Display Accuracy	<0.3% of rated value + 20mA
Minimum Resolution	1mV/1mA
Display Type	5-Digit Voltage Display, 4-Digit Current Display (LCD)
Voltage Ripple	Vrms**<0.3% of rated value**
Dynamic Response Time	<10ms
Rise Time	100ms-10s (Selectable / Adjustable Slope)
Programmable Functions	10 groups, 1–65535 cycles, holding time 1s–10000s
Protection Modes	Over-Voltage (OVP), Over-Current (OCP), Over-Power (OPP), Over-Temperature (OTP)
Interfaces	Standard RS485 (Optional: RS232)
Cooling Method	Air-cooled
Operating Temperature	-5°**C to 45 C**
Dimensions (W × H × D)	425×88×420 mm
Weight	12 kg



The WSD-3KW Series is a high-performance, microprocessor-controlled digital DC powersupply delivering up to 3KW across wide voltage ratings (30V to 600V). Featuring high-precision5-digit voltage and 4-digit current displays, rapid dynamic response (< 10ms), low ripple, andzero-overshoot startup with adjustable rise slopes, it provides reliable, stable power forlaboratory testing, research institutes, and production line life-cycle testing.

S Type Load Cell

Parameter	Specification
MODEL	PSD-S1
Rated capacities (Emax)	10-5000 kg
Sensitivity	2.0±0.004 mV/V
Total error	±0.02%F.S.
Creep error	±0.016%F.S./30min
Zero balance	± 1%F.S
TCO	±0.02%F.S/10°C
TC span	±0.015%F.S/10°C
Input impedance	350±5Ω
Output impedance	350±3 Ω
Insulation impedance	≥ 5000M Ω **(100V DC)**
Temperature range compensated	-10°C~+40°C
Temperature range operating	-20~+55°C
MAX safety overload	150%F.S
Limit overload	200%F.S
Excitation voltage, recommend	9~12V DC
Excitation voltage, maximum	15V DC
Protuction class	IP67
Construction	(Alloy Steel)
Cable	Length: 3.5m Diameter: ϕ **mm**
Execution standard	GB/T7551-2008, equivalent to OIML R60
Cable Color Code: Exc+ (Red); Exc- (Black); Sig+ (Green); Sig- (White)	



The PSD-S1 S-Type Load Cell is a high-precision, robust alloy steel load cell offering rated capacities from 10 kg to 5000 kg. Featuring an IP67 protection class, high sensitivity (2.0 ±0.004 mV/V), low total error (+0.02%F.S.), and OIML R60 compliance, it provides reliable tension and compression force measurement for industrial weighing systems, hoppers, and testing machines.

Load Cell Controller

Parameter	Specification
MODEL	DG-1
Weight Display Range	-9,999~+99,999.
Scale Capacity	Setting Range 1~99,999.
Scale Division	Optional 1, 2, 5, 10, 20, 50, 100, 200, 500
Display Resolution	1/50,000.
Display Refreshing Time	Setting Range 0.01~1.00s
Excitation Voltage/Max. Current	DC5V/120mA [8-350Ω **loadcells].**
Signal Input Range	0~12.5mV
Output Sensitivity of Loadcell	1.0~2.5mV/V
Optional Sampling Frequency	3200Hz, 1600Hz, 800Hz, 400Hz, 200Hz, 5Hz
Operating Voltage	DC12-24V
Max. Power Consumption	3W
Outline Size	71.5×115.6×57.9mm [W×H×D].
Operating Temperature	- 25℃ **to +45**
Storage Temperature	-30℃ **to +60** .
Relative Humidity	Max. 85%RH.
Weight	167g



The DG-1 Load Cell Controller is a high-precision digital weight indicator and controllerfeaturing a display resolution of up to 1/50, 000, a weight display range from -9, 999 to+99, 999, and optional sampling frequencies up to 3200Hz. Powered by 12-24V DC, itsupports load cells with sensitivities from 1.0 to 2.5m V/V in a compact, lightweightrail/panel-mount enclosure designed for industrial weighing and automation systems. PNG +4

Metal Halide UV Lamp's

Parameter	Specification
Input Voltage	Three-phase 360V ~450V
Input Frequency	50- 60 Hz
Power factor	>95%
Controlling power range	10~100% (Decided based on the length of the lamp tube)
Output Frequency	15~40kHz
Standby power	10~100% (Decided based on the length of the lamp tube)
Standby conversion speed	<1 S
Start-up time	60 S - 120 S



The Metal Hallide UV Lamp is a high-performance ultraviolet light source designed for industrial printing, curing, and exposure applications. Featuring a specialized spectral output centered at 417 nm, it provides efficient, reliable photochemical curing for specialized printing, coating, and electronics manufacturing processes.

UV Lamp Controller's

Parameter	Specification
Input Voltage	Three-phase 360V~450V (Nominal 380V AC)
Input Frequency	50/60Hz
Power Factor	>95%
Controlling Power Range	10%~100% (Determined by the length of the lamp tube)
Output Frequency	15 ~ 40 kHz (Determined by the length of the lamp tube)
Standby Power	10% (Determined by the length of the lamp tube)
Standby Conversion Speed	<1S
Start-up Time	60 S ~ 120 S
Operating Environment Temperature	0°C ~ +40°C
Operating Relative Humidity	<90% (no frosting)
Operating Pressure	86 ~ 106 k Pa
Installation Height	<1000m
Storage & Delivery Temperature	-20° ~ +60°
Pollution Protection Degree	Level 2 (For low to medium pollution factory environments)
Dimensions (2KW–5KW Models)	Width: 204 mm, Height: 340 mm, Depth: 180 mm
Dimensions (6KW–25KW Models)	Width: 204 mm, Height: 560 mm, Depth: 180 mm



The RZ-HFS Series UV Electronic Power Supply from Super Control & Automation is a high-performance, IGBT inverter-driven power supply designed specifically for UV mercury lamps, UV halogen lamps, and ultraviolet curing applications. Utilizing high-frequency DC square-wave technology, it offers superior energy efficiency, a compact form factor, and lightweight construction. It is engineered for demanding industrial processes such as UV oil printing, offset printing glazing, PCB graphic transfer, and screen printing curing.



Engineered for Performance

Built for Reliability

Driven by Quality

Powered by Trust

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