



ODA Technologies

Ever since its establishment, **ODA Technology** continued to develop and to supply measurement device for supplying power to the clients. Likewise, we are a electronic power measurement device specialized company.

We are trying our best to provide our clients with clean and stable DC power at all times as well as to provide highly precise and reliable products. Furthermore, we supply high voltage and high current power as well as offer total solution through the operation of multi channel, mult purpose measurement devices so that they can be applied to diverse areas.

ODA Technology will be next to our clients to face the tomorrow together, and will always accompany our clients, and we promise to try our best to become a world-class company by advancing thinking from the customers viewpoint at all times, while trying our best.

EX Series



SMPS Type Programmable DC Power Supply (This is not merely small and light)

EX Series provides SCPI Protocol for the control through the direct current power of the single output and Remote Interface with the programmable SMPS DC Power. EX Series is designed to provide optimal output compared to its size among the products in the similar category, and it is configured so that it can be used easily within the broad scope. Try using highly precise, stable and highly efficient power supplier with the 4 digit Display Resolution.

- 4-Digit Display Resolution.
- 16x1 Big-Character Type LCD Display attached.
- Adjustment encoder provided for voltage and current
- OVP (Over Voltage Protection), OCP (Over Current Protection) Protection Mode provided
- UVL (Under Voltage Lock), OVL (Over Voltage Lock), UCL (Under Current Lock), OCL (Over Current Lock)
- Calibration function provided (manual and PC)
- Panel Lock function provided
- Memory Store & Recall function provided (It is possible to store and recall 10)
- Output ON/ OFF function provided
- Limit Display function provided
- 12 diverse Factory Modes provided
- RS-232C, RS485, USB Communication mode is basic(TCP/IP communication is optional)
- Analog Input Control (DC 0~5V) provided (Option)
- All ranges available like High Voltage, High Current, low Voltage, Low current.

OPE-Q Series:



Programmable DC Power Supply Economical Type 4 Channel Output

Declaration of commercialization of the programmable DC Power Supply with the best technology!

- Supply of Programmable DC Power Supply at low price
- CV / CC mode operation
- Two power modes (+), (-) each variable output provided
- 5 V/ 2 A & 15 V/ 1 A fixed output provided
- OUTPUT ON/OFF function provided
- Tracking Mode (two outputs controlled at the same time) provided
- Able to store and to recall up to five operation states (Voltage, Current)
- Slim 19 $\frac{1}{2}$ x 2U size (less than 300 W)

RS-232C attached by default (RS-485 Option)

OPE-QI Series:



Programmable DC Power Supply Economical Type 4 Channel Output

Declaration of commercialization of the programmable DC Power Supply with the best technology!

- Supply of Programmable DC Power Supply at low price
- CV / CC mode operation
- Two insulated variable output provided
- Fixed output that enables the selection of 5 V/ 2 A & 3.3 V/ 2 A is provided
- Fixed output that enables the selection of 15 V/ 1 A & 12 V/ 1 A is provided
- OUTPUT ON/OFF function provided
- Tracking Mode (two outputs controlled at the same time) provided
- Able to store and recall up to five operation states (Voltage, Current)
- 19i±Half x 2U slim size (less than 300 W)
- RS-232C attached by default (RS-485 Option)

OPE-QI Series Q: Dual Variable Output, fixed 2 Channel I: isolated type					
Model NO	Voltage	Current	Model NO	Voltage	Current
OPE-185QI	18 V	5A	OPE-801QI	±80 V	1A
OPE-303QI	30 V	3A	OPE-1001QI	±100 V	1A
OPE-305QI	30 V	5A	OPE-1201QI	±120 V	1A
OPE-503QI	50 V	3A	OPE-1501QI	150V	1A
Fixed Output 2Channel Supported: 5V(or3.3V) / 2A,5V(or 12V) /1A Rear output terminal 10A					

OPE-S Series:



Programmable DC Power Supply Economical Type Single Output

Declaration of commercialization of the programmable DC Power Supply with the best technology!

OPE-DI Series



Programmable DC Power Supply Economical Type Dual Output

Declaration of commercialization of the programmable DC Power Supply with the best technology!

- Supply of Programmable DC Power Supply at low price
- CV / CC mode operation
- OUTPUT ON/OFF function provided
- Able to store and recall up to five operation states (voltage, electric current)
- 19 $\frac{1}{2}$ x 2U slim size (less than 300 W)
- RS-232C attached by default (RS-485 Option)

OPS Series



Programmable DC Power Supply Characterized by highly precise, highly responsive, high resolution transmission capabilities!

OPS Series offers next generation highly precise, highly responsive Programmable DC Power Supply that enables simple operation method, precise DC output, diverse PC applications, strong durability and diverse circuits for protection. Likewise, this product can be used at various places in the digital era including industrial fields, research centers, educational institutions etc.

- Protection against over-voltage (OVP) / over current (OCP)
- Able to store and recall up to 10 operation states (voltage, current, OVP, OCP)
- Able to store and confirm up to 10 error messages
- Self-diagnosis test mode
- Supports up to 100 cycling modes (voltage, current slope and delay time)
- Support for external software calibration without inside calibration.
- Factory function provided (memory initialization and correction date back-up and recovery)

OPD/OPT Series



Programmable DC Power Supply that offers economic viability, high performance and high practical value, all at once!

OPD, OPT Series is designed so that the 2 Channel can be formed with low budget offering OPS Series' outstanding function. To increase precision level, Remote Voltage Sensing of the 2 Channel was attached separately for the first time, in and out of Korea, to offer increasingly accurate reliability at the research and production sites.

- Over-voltage (O.V.P) / over-current (O.C.P) protection
- OPD/OPT Series can store and recall up to 10 operation states (voltage and current, OVP, OCP).
- Able to store and confirm up to 10 error messages
- Self-diagnosis test mode
- Support for external software calibration without inside calibration.
- Factory function provided (memory initialization and correction date back-up and recovery)
- 5 V/ 2 A Fixed Output provided (OPT Series)

OPM Series



Multi-Channel Programmable DC Power Supply with scalability up to maximum of 255 channels!

OPM Series is highly precise, highly responsive multi channel Programmable DC Power Supply that can control not only minimum of 2 insulated output channels, but also up to 255 output channels using one Main Controller. It is a product that can be applied to various areas including industrial fields, research centers and etc.

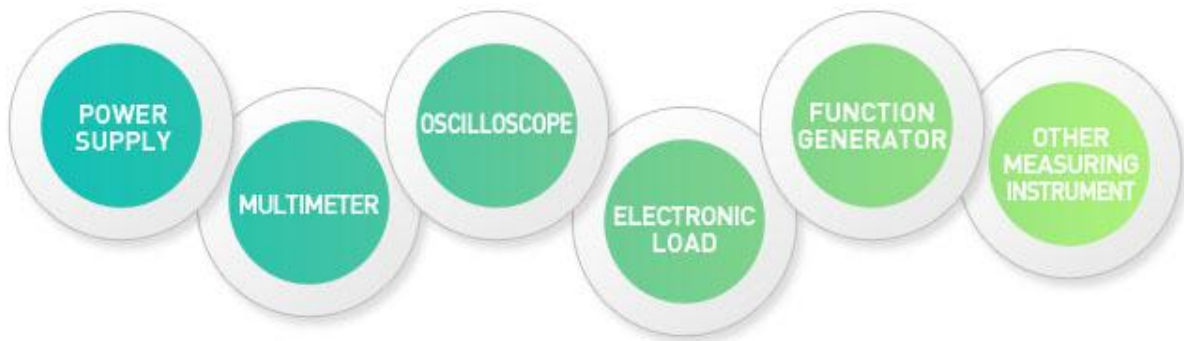
- Over-voltage (O.V.P) / over-current (O.C.P) protection / P.S.P protection
- OPM Series can store and recall up to 10 operation states (voltage and electric current, OVP, OCP).
- Able to store and confirm up to 10 error messages
- Self-diagnosis test mode
- Factory function provided (11 diverse functions provided)
- Insulation among output channels

OPX Series



Do you need System Power Supply - Aging, Test & Reliability System and DAS (Data Acquire System)?

OPX Series-System Power Supply is linked to industrial PC and all types of measurement devices (Oscilloscope, Multimeter, FG, Electronic Load etc.) and it is used for the reliability test of the production line and for all diverse research areas. Moreover, the system can be configured up to 50 % lower in terms of price. Thus it can be used appropriately at the technical centers, research centers and production lines.



ORS Series



Regulated DC Power Supply Single Output (Economically viable price, convenient method of use)

ORS Series provides single variable output channel with regulated DC Power Supply. Select the ORS Series if you want simple power output.

- Supply of low price DC Power Supply
- CV / CC mode operation
- Stable Ripple & Noise

ORS Series: Regulated DC PS with Single Output

ORS-303A	30 V	3A	ORS-303CF	ORS-303CF	3A
ORS-305A	30 V	5A	ORS-305CF	ORS-305CF	5A
CF type : 5V/2A Fixed Channel Supported & 4digit.(ex:00,00V - 0.000A)					

ORT Series



Economically viable price, convenient method of use!

ORT Series provides two variable output channels and one fixed output channel with regulated DC Power Supply. Select the ORT Series if you want to output power easily.

- Supply of low price DC Power Supply
- CV / CC mode operation
- Stable Ripple & Noise
- INDEPENDENT / SERIES / PARALLEL MODE

ORT Series: Regulated DC PS with Triple Output

ORT-303	30 V	3A	ORT-305	30 V	5A
ORT-183	18V	3A	ORT-185	18V	5A

EX Series: Switching Type Programmable DC Power Supply, slim size

Voltage		EX 2500 Series(1U)				EX 5000 2U		EX 10000 Series(4U)			
20V	30A	60A	90A	120A	180A	240A	300A	360A	420A	480A	
30V	20A	40A	60A	80A	120A	160A	200A	240A	280A	320A	
50V	12A	24A	36A	48A	72A	96A	120A	144A	168A	192A	
80V	7.5A	15A	22.5A	30A	45A	60A	75A	90A	105A	120A	
100V	6A	12A	18A	24A	36A	48A	60A	72A	84A	96A	
200V	3A	6A	9A	12A	18A	24A	30A	36A	42A	48A	
300V	2A	4A	6A	8A	12A	16A	20A	24A	28A	32A	
600V	1A	2A	3A	4A	6A	8A	10A	12A	14A	16A	

LP-SERIES: DC Electronics Load Professional type

Model NO	Voltage	Current	Model NO	Voltage	Current	Model NO	Voltage	Current
LP300-A	60 V	60 A	LP200-C	500 V	5 A	LP250-B	250 V	10 A
LP600-A	60 V	120 A	LP400-C	500 V	10 A	LP500-B	250 V	20 A
LP900-A	60 V	180 A	LP600-C	500 V	15 A	LP750-B	250 V	30 A
LP1200-A	60 V	240 A	LP800-C	500 V	20 A	LP1000-B	250 V	40 A
LP1500-A	60 V	300 A	LP1000-C	500 V	25 A	LP1200-B	250 V	50 A
LP2000-A	60 V	400 A	LP1300-C	500 V	30 A	LP1500-B	250 V	60 A

OPE-Q Series: Q: Dual Variable Output, fixed 2 Ch

Model NO	V	I	Model NO	V	I	Model NO	V	I	Model NO	Voltage
OPE-185Q	±18 V	5A	OPE-801Q	±80 V	1A	OPE-305Q	±30 V	5A	OPE-1201Q	±120 V
OPE-303Q	±30 V	3A	OPE-1001Q	±100 V	1A	OPE-503Q	±50 V	3A	OPE-1501Q	150V

Fixed Output 2Channel Supported : 5V/2A, 15V/1A

OPE-QI Series Q: Dual Variable Output, fixed 2 Channel I: isolated type

Model NO	Voltage	Current	Model NO	Voltage	Current
OPE-185QI	18 V	5A	OPE-801QI	±80 V	1A
OPE-303QI	30 V	3A	OPE-1001QI	±100 V	1A
OPE-305QI	30 V	5A	OPE-1201QI	±120 V	1A
OPE-503QI	50 V	3A	OPE-1501QI	150V	1A

Fixed Output 2Channel Supported: 5V(or3.3V) / 2A, 5V(or 12V) / 1A Rear output terminal 10A

OPE-S Series S: Single Variable Output

V/I	10A	20A	30A	50A	100A	200A	500A
9V	OPE-910S	OPE-920S	OPE-930S	OPE-950S	OPE-9100S	OPE-9200S	OPE-9500S
18V	OPE-1810S	OPE-1820S	OPE-1830S	OPE-1850S	OPE-18100S	OPE-18200S	OPE-18500S
30V	OPE-3010S	OPE-3020S	OPE-3030S	OPE-3050S	OPE-30100S	OPE-30200S	OPE-30500S
50V	OPE-5010S	OPE-5020S	OPE-5030S	OPE-5050S	OPE-50100S	OPE-50200S	OPE-50500S
120V	OPE-12010S	OPE-12020S	OPE-12030S	OPE-12050S	OPE-120100S	OPE-120200S	OPE-120500S
200V	OPE-20010S	OPE-20020S	OPE-20030S	OPE-20050S	OPE-200100S	OPE-200200S	OPE-200500S
300V	OPE-30010S	OPE-30020S	OPE-30030S	OPE-30050S	OPE-300100S	OPE-300200S	OPE-300500S
500V	OPE-50010S	OPE-50020S	OPE-50030S	OPE-50050S	OPE-500100S	OPE-500200S	OPE-500500S

OPE-DI Series: P: Programmable DC power supply, E: Economical Type, D: Dual Variable Output I: isolated type

V/I	10A	20A	30A	50A	100A	200A	500A
9V	OPE-910DI	OPE-920DI	OPE-930DI	OPE-950DI	OPE-9100DI	OPE-9200DI	OPE-9500DI
18V	OPE-1810DI	OPE-1820DI	OPE-1830DI	OPE-1850DI	OPE-18100DI	OPE-18200DI	OPE-18500DI
30V	OPE-3010DI	OPE-3020DI	OPE-3030DI	OPE-3050DI	OPE-30100DI	OPE-30200DI	OPE-30500DI
50V	OPE-5010DI	OPE-5020DI	OPE-5030DI	OPE-5050DI	OPE-50100DI	OPE-50200DI	OPE-50500DI
120V	OPE-12010DI	OPE-12020DI	OPE-12030DI	OPE-12050DI	OPE-120100DI	OPE-120200DI	OPE-120500DI
200V	OPE-20010DI	OPE-20020DI	OPE-20030DI	OPE-20050DI	OPE-200100DI	OPE-200200DI	OPE-200500DI
300V	OPE-30010DI	OPE-30020DI	OPE-30030DI	OPE-30050DI	OPE-300100DI	OPE-300200DI	OPE-300500DI
500V	OPE-50010DI	OPE-50020DI	OPE-50030DI	OPE-50050DI	OPE-500100DI	OPE-500200DI	OPE-500500DI

OPS Series: P: Programmable DC power supply, S: Regulated series, Single output

	1A	2A	3A	5A	10A	30A	50A	100A	200A	500A
9V	OPS-91	OPS-92	OPS-93	OPS-95	OPS-910	OPS-930	OPS-950	OPS-9100	OPS-9200	OPS-9500
18V	OPS-181	OPS-182	OPS-183	OPS-185	OPS-1810	OPS-1830	OPS-1850	OPS-18100	OPS-18200	OPS-18500
30V	OPS-301	OPS-302	OPS-303	OPS-305	OPS-3010	OPS-3030	OPS-3050	OPS-30100	OPS-30200	OPS-30500
50V	OPS-501	OPS-502	OPS-503	OPS-505	OPS-5010	OPS-5030	OPS-5050	OPS-50100	OPS-50200	OPS-50500
80V	OPS-801	OPS-802	OPS-803	OPS-805	OPS-8010	OPS-8030	OPS-8050	OPS-80100	OPS-80200	OPS-80500
100V	OPS-1001	OPS-1002	OPS-1003	OPS-1005	OPS-10010	OPS-10030	OPS-10050	OPS-100100	OPS-100200	OPS-100500
150V	OPS-1501	OPS-1502	OPS-1503	OPS-1505	OPS-15010	OPS-15030	OPS-15050	OPS-150100	OPS-150200	OPS-150500
200V	OPS-2001	OPS-2002	OPS-2003	OPS-2005	OPS-20010	OPS-20030	OPS-20050	OPS-200100	OPS-200200	OPS-200500
300V	OPS-3001	OPS-3002	OPS-3003	OPS-3005	OPS-30010	OPS-30030	OPS-30050	OPS-300100	OPS-300200	OPS-300500
500V	OPS-5001	OPS-5002	OPS-5003	OPS-5005	OPS-50010	OPS-50030	OPS-50050	OPS-500100	OPS-500200	OPS-500500

OPM Series: Multi Channel Programmable DC PS Modular Type up to 255 channel

	1A	2A	3A	5A	10A	30A	50A	100A	200A	500A
9V	OPM-91D	OPM-92D	OPM-93D	OPM-95D	OPM-910D	OPM-930D	OPM-950D	OPM-9100D	OPM-9200D	OPM-9500D
18V	OPM-181D	OPM-182D	OPM-183D	OPM-185D	OPM-1810D	OPM-1830D	OPM-1850D	OPM-18100D	OPM-18200D	OPM-18500D
30V	OPM-301D	OPM-302D	OPM-303D	OPM-305D	OPM-3010D	OPM-3030D	OPM-3050D	OPM-30100D	OPM-30200D	OPM-30500D
50V	OPM-501D	OPM-502D	OPM-503D	OPM-505D	OPM-5010D	OPM-5030D	OPM-5050D	OPM-50100D	OPM-50200D	OPM-50500D
80V	OPM-801D	OPM-802D	OPM-803D	OPM-805D	OPM-8010D	OPM-8030D	OPM-8050D	OPM-80100D	OPM-80200D	OPM-80500D
100V	OPM-1001D	OPM-1002D	OPM-1003D	OPM-1005D	OPM-10010D	OPM-10030D	OPM-10050D	OPM-100100D	OPM-100200D	OPM-100500D
150V	OPM-1501D	OPM-1502D	OPM-1503D	OPM-1505D	OPM-15010D	OPM-15030D	OPM-15050D	OPM-150100D	OPM-150200D	OPM-150500D
200V	OPM-2001D	OPM-2002D	OPM-2003D	OPM-2005D	OPM-20010D	OPM-20030D	OPM-20050D	OPM-200100D	OPM-200200D	OPM-200500D
300V	OPM-3001D	OPM-3002D	OPM-3003D	OPM-3005D	OPM-30010D	OPM-30030D	OPM-30050D	OPM-300100D	OPM-300200D	OPM-300500D
500V	OPM-5001D	OPM-5002D	OPM-5003D	OPM-5005D	OPM-50010D	OPM-50030D	OPM-50050D	OPM-500100D	OPM-500200D	OPM-500500D

ORS Series: Regulated DC PS with Single Output

ORS-303A	30 V	3A	ORS-303CF	3A
ORS-305A	30 V	5A	ORS-305CF	5A

CF type : 5V/2A Fixed Channel Supported & 4digit (ex:00.00V - 0.000A)

ORT Series: Regulated DC PS with Triple Output

ORT-303	30 V	3A	ORT-305	30 V	5A
ORT-183	18V	3A	ORT-185	18V	5A

OPX Series: Customized DC Power supply / As per customer Requirement

Custom Power supply Aging Test & Reliability Custom D/A/S Data Acquire System)



Programmable DC Power Supply

“Many product family comparing to other local manufacturers ”



EX Series



OPE Series



OPS Series



OPM Series



ORS, ORT Series

NEED

We provide products for customer demand, their uses and best products for their specific test environment.

QUALITY

Reliability is our most important evaluation basis, and it is assessed by users.

EX Series

First 1U Size SMPS in Korea (Switching Mode Power Supply)



Slim Type
SMPS

It is the first SMPS developed in Korea, with 1U (44mm) slim type. It can be used in a large capacity aging test and etc. It has 12 factory functions for users convenience.

Used in a
large range

Not only Aging & Test, EX Series can be used for powering for server, rectifying test, Life-time, Burn-in, Durability tests. It can be used in many fields.



(LP Series) Programmable DC Electronic Load

“Feel the performance”



QUALITY

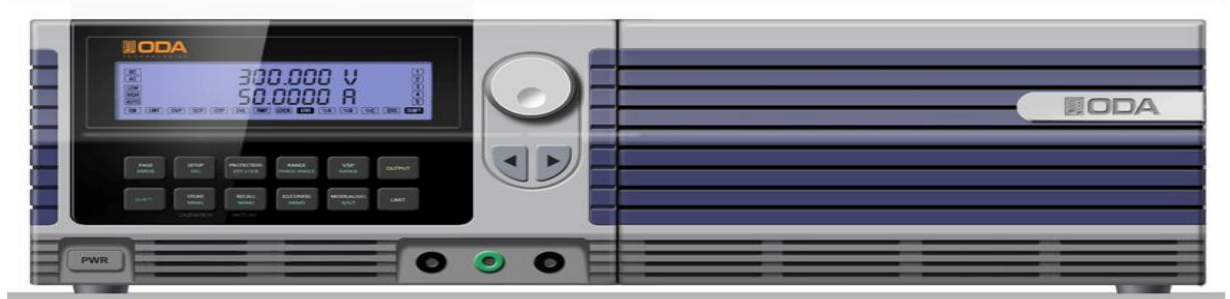
LP Series is developed with less Inrush current. Companies that expects high quality will satisfy with LP series.

FUNCTION

LP Series has Cycling Mode, Dynamic Mode, Slew Rate Control to run variety tests without connecting with PC or PLC.

Programmable AC Power Source

“Yet, another first development in local”



Programmable AC Source is ready for launch in 2013.
We developed 2 years for AC Source with great ambition.

Mobile DC Power Solution



OPX-93D Model is supplying to Samsung Electronics mobile business department. It is programmable DC Power Supply to test mobile phone. It is designed to be more accurate for their demands.



MODEL	OPX-93D
VOLTAGE RANGE	10V ~10% 50~60Hz
FREQUENCY RANGE	220V ~10% 50~60Hz
POWER MAX	330W
FUSE	T2

ODA
www.oda.co.kr

ODA-93D-10001

MADE IN KOREA

WARNING
This product is not to be used for medical or life support applications. It is not to be used for any other purpose without the approval of the manufacturer.

Mobile DC Power Solution



Another Model OPX-55SE is supplying in Samsung Mobile Business Department. It has 8 output channels for mobile phone.

Each channels are module type which makes easier to replace or repair.

It is easy to use with small size which are adequate in mobile phone manufacturing lines.

Programmable DC Power Supply OPS, OPM Series

OPS, OPM Series is a Programmable DC Power Supply with maximum 1mV, 100uA display resolution and high accuracy.

Fast response speed and high-Precision is main characteristics, and OPM Series has standard 2-channels.

It's main test objects are Low-current IC or LED and etc, comparing to foreign product, we have managed to lower the price.



Programmable DC Power Supply OPE Series



**Reliability, Durability, Life-Time, Burn-in
Test System and Solution**

OPE Series is a Programmable DC Power Supply aiming the first market of Regulated DC Power Supply in Korea.

It has 3digit resolution with RS-232C communication interface standard, and has merit on automation device testing market.

The best advantage is low-price.



Building system by adding various measuring instruments to test one' s reliability, durability or to test electric, electronic components.

Not only the hardware, we provide windows application to acquire data and analyze the data.