



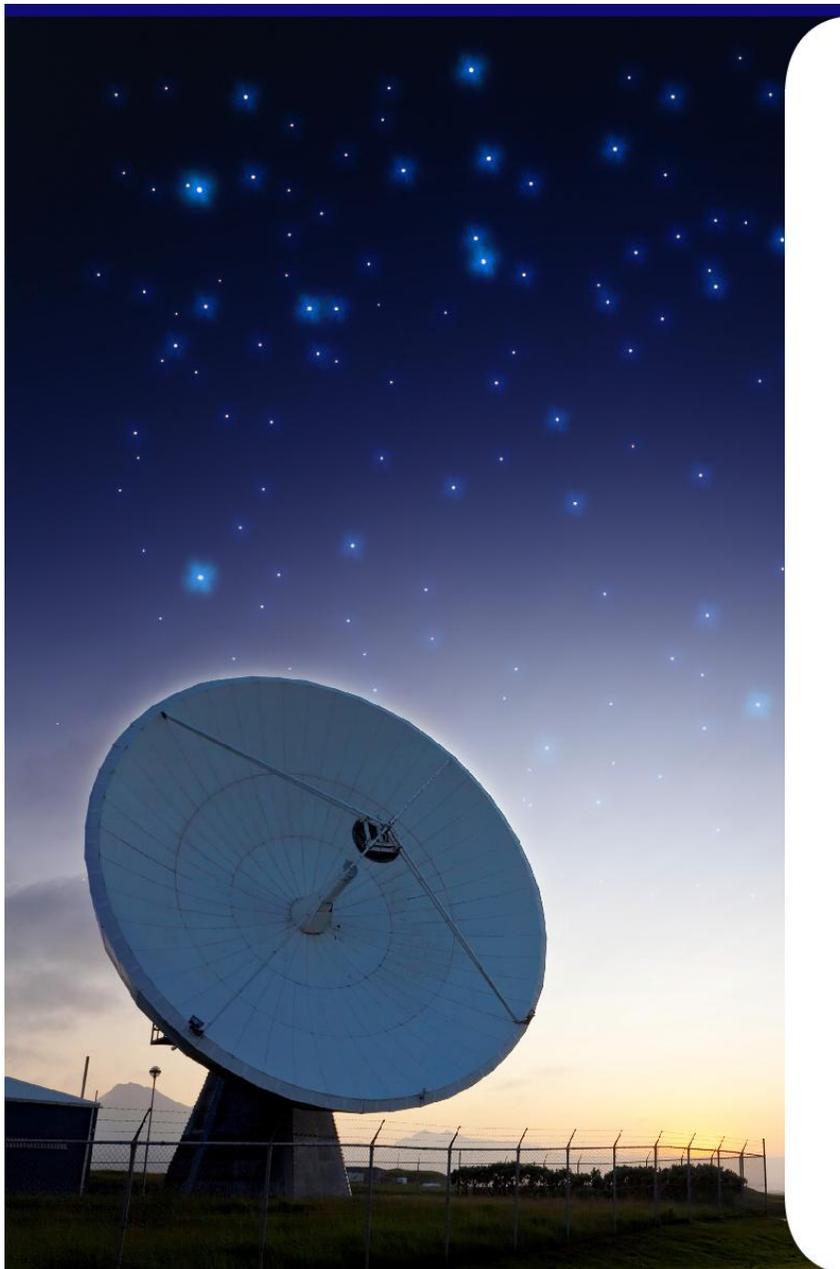
Power **Supply** Module Power **Storage** Module



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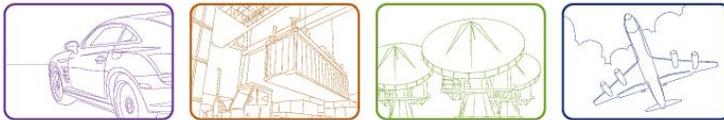




Power *Supply* Module **Power *Storage* Module**

Gaon High Tech Co.,Ltd. is specialized in development & manufacture of Power Module.
Our products are being used in domestic & foreign mobile communication base station and repeaters, semiconductor equipment, medical equipment, industrial motor vehicle equipment, wind and solar generators, train and bus transportation equipment.





Fundamental Policy

- **Honesty**
We're always be honest with our government, customer and ourselves.
- **Customer Satisfaction**
We try our best to satisfy our customer.
- **Advanced Challenge**
Technology development for the realization of a comfortable and prosperous life.
- **Green Environment**
Eco-friendly company, thinking about the environment.



❖ Why Gaon High Tech?



• Competitive Price

- Direct import from main manufacturer of Power Pack & Ultra Capacitor etc.
- Reducing of labor costs by Automatic Test System
- Safety control of inventory by ERP System
- Available of various design through rich develop experience



• Short Delivery

- Korea Distributor of Cosel & Maxwell etc.
- Control of inventory by Blanket Order
- Real time inventory control



• Fast Development

- Engineers with rich experience in development
- Main components in stock & short delivery response
- Technology training overseas



• High Quality Assurance

- Certificate of Quality Management system (ISO9001 & 2008)
- Certificate of Environment Management system (ISO14001 & 2004)
- Automatic Test System
- 100% Burning Test
- Maintenance of standard sample



Advantages of **Power Supply Module**



1 Multiple Output

- Single output, Dual output, Triple output

2 Multiple Input

- AC 85~264V 50/60Hz
- 300~400VDC(Typical Double Voltage Range, Max Range)

3 Multiple Power Output

- Supply various model from 30W to 2KW

4 High Reliability

- Challenge to zero failure rate through design technology & quality management

5 Compact Size

- Supply compact size by using Power Pack & High-density mounting technology

6 High Efficiency

- Typical 80~88%, Max 93%

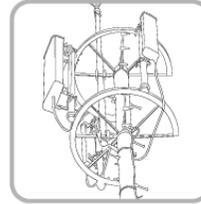
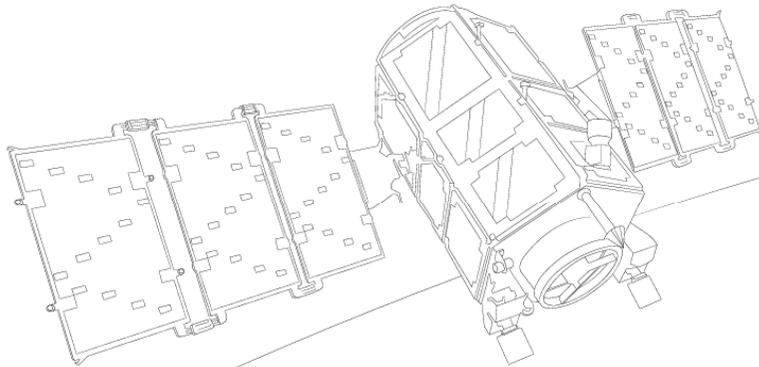
7 Small Quantity Batch Production

- Supply from development samples to mass-production products

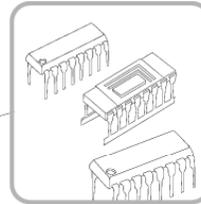
8 Various Safety Circuit Function

- Over Voltage Protection
- Over Current Protection
- Input under Voltage Protection
- Short Circuit Protection
- Over Temperature Protection
- Remote Sensing
- Remote On/Off Control

Power **Supply** Module Application



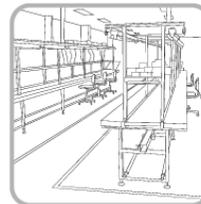
- Wire(less) communication equipment - RRH System, TMA, DAS, Subway Repeater, ICS, Optical Repeater etc.



- Manufacture & Test Equipment of Semiconductor, LCD, Solar battery, OLED



- Medical Equipment – MRI, CT, eye examining apparatus etc.



- Transport Equipment, Surveillance Equipment, Factory Automation Equipment etc.

Advantages of
**Power Storage
Module**



1 High Efficiency

Using Ultra capacitor of US Maxwell Technologies Inc., less loss while charge-discharge, the efficiency is more than 99% in high current

2 High Powered Current Supply

Supply high powered current instantly by ESR(Equivalent Series Resistance)

3 Available at low, high temp

No thermal runaway, 85°C maximum storage degree, operable at maximum 65 °C maximum, available to supply power at -40 °C

4 Long Lifetime

No change in performance though repetitive charge-discharge, Long Lifetime save replacement and labor cost

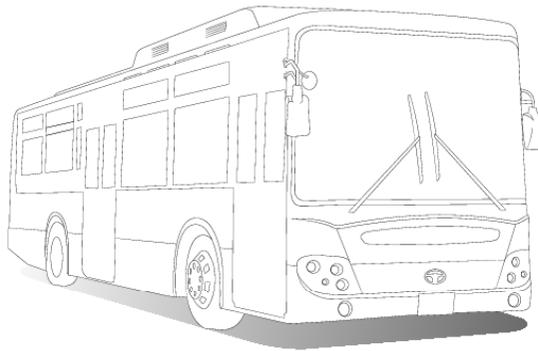
5 Long Charge-Discharge Cycle

No change in performance though Hundreds of thousands of charge-discharge cycle, Long lifetime save maintenance fee

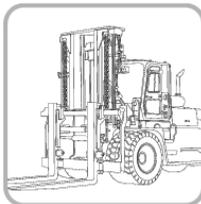
6 High Quality Assurance

As certified integrator of Maxwell, we have technologies of system design, packaging, manufacture

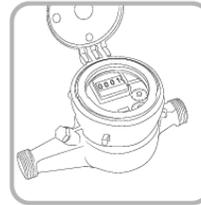
Power **Storage** Module Application



- Windmill
Save maintenance fee using our module instead of battery in wind generator turbine



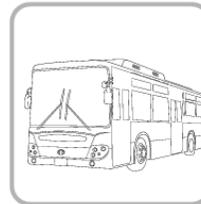
- Forklift & Crane



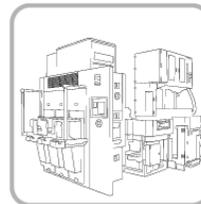
- Automated Meter Reading
Supply necessary energy while transmitting data like power consumption



- Uninterrupted Power Supply
Supply Back up Power instantly when commercial power out



- Public Transport System
Energy capture from brake system (Hybrid car, plane emergency exit)



- Semiconductor Manufacturing System

Summary

	Part#	OUTPUT1	OUTPUT2	OUTPUT3	WATTAGE	INPUT	SIZE
AC/DC Single	GPA50F-05-CK	5V			50W	110/220VAC	150x80x36
	GPA100F-05-C	5V			100W	110/220VAC	150x80x36
	GPA100F-05-C-A	5V			100W	110/220VAC	180x100x43
	GPA100F-05-C-C	5V			100W	110/220VAC	180x100x43
	GPA100F-05-C-SP	5V			100W	110/220VAC	155x63x37
	GPA100F-24-CG-SP	24V			100W	110/220VAC	155x63x37
	GPA300F-48-LS	48V			300W	110/220VAC	294x244x135
AC/DC Dual	GPW30F-0512-DM	5V	12V		30W	110/220VAC	133x54x23
	GPW300F-2805-C	28V	5V		300W	110/220VAC	280x160x60
	GPW300F-4805-C-SP	48V	5V		300W	110/220VAC	250x110x42.6
	GPW350F-2812-CW	28V	12V		350W	110/220VAC	250x110x42.6
	GPW600F-2806-CS-T	28V	6V		600W	110/220VAC	133X190X70
	GPC700F-4805-AV	48V	5V		700W	110/220VAC	312x157x47
	GPW900F-4812-V	48V	12V		900W	110/220VAC	243x164.6x46
	WPS-75	5V	12V		75W	110/220VAC	162.5x116x36
	WPS-90	5V	12V		90W	110/220VAC	162.5x150x36
DC/DC Single	GDA50W05-G-SP	5V			50W	48VDC	145x95x37
	GDA100-05-CW	5V			100W	5VDC	145x95x37
	GDA100-4805-CS-G	5V			100W	48VDC	150x50x35
	GDA100W05-G-SP	5V			100W	48VDC	150x50x35
	GDA350-2424-CC	24V			350W	24VDC	162x82x133
	GDA7004848-AC	48V			700W	48VDC	312X157X47
DC/DC Dual	GDW30240512-DM	5V	12V		30W	24VDC	133x54x16
	GDA50-4805-CS	48V	5V		50W	48VDC	150x50x36

	Part#	OUTPUT1	OUTPUT2	OUTPUT3	WATTAGE	INPUT	SIZE
DC/DC Dual	SF60D-245533	5V	3.3V		60W	24VDC	60X58X8
	GDW100480603-CS-T	6V	3.3V		100W	48VDC	190x110x48
	GDW350484805-C-SP	48V	5V		350W	24VDC	250x110x45
	PSU350-2448-12-SJ	48V	12V		350W	48VDC	130x90x30
	GDC9002405-CK	24V	5V		900W	24VDC	280x150x43
	GDC9002405-CK-V	24V	5V		900W	24VDC	220x150x43
DC/DC Triple	GDC120-0515-C	5V	15V	-15V	120W	48VDC	180x103.5x36 80x49
	DCW-4940	48V	24V	12V	400W	48VDC	190x140x33
	DCW-4930A	32V	12V	6.5V	400W	48VDC	190x140x33
	DCW-4930B	28V	12V	6.5V	400W	48VDC	190x140x33
	DCW-4930(2.1G)	28V	12V	6.5V	400W	48VDC	190x140x33
Power Storage Module (Ultra Capacitor)	GCAP100F-5R4-100F	5.4V				5.4VDC	147x101x22
	GCAP100F-5R4-50F	5.4V				5.4VDC	147x101x22
	GCAP150F-5R4-100F	5.4V				5.4VDC	147x101x22
	GCAP150F-5R4-150F	5.4V				5.4VDC	147x101x22
	GCAP150F-5R4-50F	5.4V				5.4VDC	147x101x22
	GCAP200F-5R4-100F	5.4V				5.4VDC	147x101x22
	GCAP225F-5R4-150F	5.4V				5.4VDC	147x101x22
	GCAP50F-5R4-100F	5.4V				5.4VDC	147x101x22
etc. (승강기용 비상 조명장치)	GEM-100	3.6V	12V			110/220VAC	180x90x38
	GEM-200	3.6V				110/220VAC	150x80x28

Main Customers

