

2025



Switching Power Supplies

REIGNPOWER



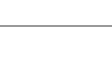
BOSS automation
MARINE - INDUSTRY

OFFICIAL WORLD AGENT

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Standard Power Supply

Photo	Series	PFC	Input Voltage	Output	Output Channel	Size:LxWxH(mm) Drawing	Safety Certification
	RP1050		90~264VAC	50/60W	1~3	151x99x35 (Convection Cooling)	CE UL
	RP1072-24H		85-132VAC 170~264VAC (Selectable)	72W +24V/3A	1	142.5x97.5x40 (Convection Cooling)	CE UL
	SLP1100-24F		90~264VAC	100W +24V/4.2A	1~3	151x99x35 (Convection Cooling)	CE
	RP1150-24C	✓	90~264VAC	150W +24V/6.25A	1~2	190x106x50 (Convection Cooling)	CE UL TUV
	RP21504C	✓	90~264VAC	150W V1: +24V/6.3A V2: +5V/3A	1~2	190x106x50 (Convection Cooling)	CE UL TUV
	SLP1200-24M		90-132VAC 180~264VAC	200W +24/8.4A	1~3	151x99x35 (Convection Cooling)	CE
	RPH1250-24C	✓	90~264VAC	200~250W +24/10.4A	1~2	151x99x38 (Fan Cooling)	CE
	RPH1300-24C	✓	90~264VAC	300W +24V/12.5A	1~2	199x99x35 (Convection Cooling)	CE
	RPH1500-24C	✓	90~264VAC	500W +24V/20.8A	1~2	199x99x38 (Fan Cooling)	CE
	RPH11K5-24CDA	✓	90~264VAC	1500W +24V/62.5A	1~2	131x163x63.7 (Fan Cooling)	CE
	RPH12K0-24CENDA	✓	180~264VAC	1200~2000W +24V/83A	1~3	119x75x248.6 (Fan Cooling)	CE
	RPH13K0-24CDA	✓	180~264VAC	3000W +24V/125A	1	234.6x160.5x67.5 (Fan Cooling)	CE
	RPH15K0-24CDA	✓	220~277VAC / 380~480VAC (3 phase 4 line Y type)	4500~5000W +24V/187A	1	435x320x80 (Fan Cooling)	CE

Din Rail Mount Power

Competitive NL Series Din Rail Power

Photo	Series	Green Power	Input Voltage	Output	Output Channel	Size:HxDxW (mm) Drawing	Safety Certification
	NL1050D-24	✓	180~264VAC	40~50W +24V/2.1A	1	102x35x45 (Convection Cooling)	UL508 CE
	NL1072D-24	✓	180~264VAC	60~72W +24V/3A	1	103x74x45 (Convection Cooling)	CE
	NL1100D-24	✓	180~264VAC	100W +24V/4.1A	1	103x74x45 (Convection Cooling)	UL508 CE
	NL1150D-24	✓	180~264VAC	150W +24V/6.25A	1~2	100x83x49 (Convection Cooling)	CE
	NL1240D-24	✓	180~264VAC	240W +24V/10A	1~2	100x83x49 (Convection Cooling)	CE
	NL1480D-24	✓	180~264VAC	480~500W +24V/20A	1~2	100x110x60 (Fan Cooling)	CE

LP Series High C/P Din Rail Power Output Voltage & Monitor Display

Photo	Series	Green Power	Input Voltage	Output	Output Channel	Size:HxDxW (mm) Drawing	Safety Certification
	LP1050D-24SDA	✓	90-264VAC	45~50W +24V/2.1A	1	103x74x45 (Convection Cooling)	UL508 CE
	LP1100D-12MDA	✓	90-132/180-264VAC (Selectable)	100W +12V/8.3A	1~2	100x83x49 (Convection Cooling)	UL508 CE
	LP1100D-24MDA			100W +24V/4.2A			
	LP1150D-12MADA	✓	90-132/180-264VAC (Selectable)	150W +12V/12.5A	1~2	100x83x49 (Convection Cooling)	UL508 CE
	LP1150D-24MADA			150W +24V/6.25A			
	LP1350D-24MDA		90-132/180-264VAC (Selectable)	350W +24V/14.6A	1	100x110x60 (Fan Cooling)	CE
	LP1500D-24MADA	✓	110/220VAC	500W +24V/20.8A	1~2	100x110x60 Fan Cooling	CE
	LP11K0D	✓	180~264VAC	1000W	1	110x210x109.5 (Fan Cooling)	CE

RPH Series High Perf. Smart Din Rail Power

Output Voltage/Current/Temperature Digital Display.

Intelligent Detection of Output Error: Relay and LCD Alarm Flickering

Photo	Series	PFC	Input Voltage	Output	Output Channel	Size:HxDxW (mm) Drawing	Safety Certification
	RPH1120D-24CED Volt. Display Smart Alert	✓	90~264VAC	120W +24V/5A	1	100x83x49 (Convection Cooling)	CE UL508
	RPH1240D-24CED Volt. Display Smart Alert	✓	90~264VAC	240W +24V/10A	1	100x110x60 (Convection Cooling)	CE UL508
	RPH1480D-24CED Volt. Display Smart Alert	✓	90~264VAC	480W +24V/20A	1~2	131x119.2x 60.7 (Convection Cooling)	CE UL508
	LPF1960D-24CED Volt. Display Smart Alert	✓	90~264VAC	750~960W +24V/40A	1~2	131x119.2x 63.7 (Fan Cooling)	CE UL508
	RPH11K0D	✓	180~264VAC	1000W	1~3	129.5x80x240 (Convection Cooling)	CE
	RPH12K0D	✓	180~264VAC	1200~2000W	1~3	127.8x78.7x 225 (Fan Cooling)	CE

LTP Series 340-550VAC Input

Photo	Series	Green Power	Input Voltage	Output	Output Channel	Size:HxDxW (mm) Drawing	Safety Certification
	LTP1150D-24TDA	✓	340~550VAC	150W +24V/6.25A	1	100x83x49 (Convection Cooling)	CE
	LTP1300D-24TDA	✓	340~550VAC	300W +24V/12.5A	1	100x83x49 (Convection Cooling)	CE
	LTP1480D-24CENDA	✓	3 phase 340~550VAC	480W +24V/20A	1	131x119x60.5 (Convection Cooling)	CE
	LTP1960D-24CENDA	✓	3 phase 340~550VAC	960W +24V/40A	1	131x119x60.5 (Fan Cooling)	CE
	LTP11K5D-24CENDA	✓	3 phase 340~550VAC	1500W +24V/62.5A	1	127.8x78.7x225	CE

DLP Series Step Shape Din Rail Power (AC-DC)

Photo	Series	Green Power	Input Voltage	Output	Output Channel	Size:HxDxW (mm) Drawing	Safety Certification
	DLP1025D-24S	✓	90~264VAC	25W +24V/1A	1	52.5x90.7x35 (Convection Cooling)	CE
	DLP1050D-12S	✓	90~264VAC	50W +12V/4.2A	1	52.5x90.7x35 (Convection Cooling)	CE
	DLP1050D-24S			50W +24V/2.1A			
	DLP1100D-24F	✓	90~264VAC	100W 24V/4.2A	1	52.5x90.7x70 (Convection Cooling)	CE
	DLP1220D-24C	✓	90~264VAC	200~220W +24V/9.2A	1	55.2x90.7x70 (Fan Cooling)	CE

Din Rail Power Supply (DC-DC)

Photo	Series	Input Voltage	Output	Output Channel	Size: HxDxW (mm) Drawing	Safety Certification
	DDP1030D-G24	9~36VDC	30W +24V/1.25A	1	52.5x90.7x35 (Convection Cooling)	CE
	DDP1060D-G24	9~36VDC	60W +24V/2.5A	1	52.5x90.7x70 (Convection Cooling)	CE
	DDP1120D-B24	16.8~33.6VDC	120W +24V/5A	1	52.5x90.7x70 (Convection Cooling)	CE
	DDP1180D-B24	16.8~33.6VDC	180W +24V/7.5A	1	55.2x90.7x70 (Fan Cooling)	CE
	DDP1480D-B24	16.8~33.6VDC	480W +24V/20A	1	100x110x60 (Fan Cooling)	CE

Din Rail Power Supply (AC-DC)

Photo	Series	Input Voltage	Output	Output Channel	Size:HxDxW (mm) Drawing	Safety Certification
	DAD1030D24I-24 Series	24VAC	30W +24V/1,25A	1	52.5x90.7x35 Convection Cooling	CE
	DAD1060D24I-24	19.2-32VAC	60W +24V/25A	1	52.5x90.7x70 Convection Cooling	CE

Chargers

Photo	Series	PFC	Input Voltage	Battery Voltage	O.V.P. Trip Point Battery Current	Size: LxWxH (mm) Drawing	Safety Certification
	RP1100C Charger Series		90~264VAC	12~24V	3.5~7A	206x136x57 Convection Cooling	UL
	RPH1100C Charger Series		90~264VAC	12~24V	3.5~7A	248.5x136x43 Convection Cooling	CE
	RPH1200C Charger Series		110/220VAC	12~24V	7~14A	248.5x136x43 Convection Cooling	CE
	RPH1300C-24C	✓	90-264VAC	24V	300W +33-38V/10.4A	248.5x136x43 Convection Cooling	CE IP64
	RPH1500C-24C	✓	90~264VAC	24V	500W +33-38V/17.36A	268.5x136x43 Fan Cooling	CE

External Power Module

Photo	Series	Function	Input Voltage	Size:HxDxW (mm) Drawing	Safety Certification
	RDD Series	DC-DC, single or dual output switching power, din rail/standard mount installation.	8~115VDC	102x35x45 (Convection Cooling)	CE
	DRN-15	10-33VDC redundant device.	10.5~33VDC	100x110x60 (Convection Cooling)	CE
	UPS15 Series	Direct parallel connection DC Bus for DC UPS device.	-	102x75.5x45 (Convection Cooling)	CE
	UPS30-24	20.5-27.6V/30A Direct parallel connection DC Bus for DC UPS device.	-	100x110x60 (Convection Cooling)	CE
	RP-CEMF	20-75VDC/20A Series connection motor back electromotive eliminator.	20~75VDC	102x35x45 (Convection Cooling)	CE
	LCP1100CD Charger Series	Din rail mount lead-acid charger.	90~264VAC	151x99x35 (Convection Cooling)	CE
	LCP1200CD Charger Series	Din rail mount lead-acid charger.	110/220VAC	151x99x35 (Convection Cooling)	CE
	RCB1100D	Din rail mount backup power controller.	90~264VAC	35x151x99 (Convection Cooling)	CE
	RCB1200D	Din rail mount backup power controller.	110/220VAC	35x151x99 (Convection Cooling)	CE
	ZHN01	Din rail filter	220VAC	80x56x55	
	ZHN15	Din rail filter	250VAC/VDC	92x41x53	UL CE
	ZHN19	Din rail filter	115/250VAC	97x45x56 ZHN43-10/20: 85x30x52	CE



DC → DC Switching Power Supply

DRN SERIES



DRN series is a 10.5 ~ 180 VDC redundant operation system. When two DRN series are working together and one of them is malfunction, the other one can supply full power. This can prevent high tier system causes data lost or equipment control error and, furthermore, loss of life and property because of faulty power. Buzzer of DRN series will alarm when one of them is not functional and will send relay RDY signal. (Customer can make specialized alarm system with this 1A relay contact.) When power source is unstable, V1 or V2 indicator will point out which power source is bad. DRN series can easily install with din rail / standard enclosure power supply, and do not need unconventional build-in RDY signal power supply because DRN series builds in this feature. The design can let customer use with commercially available power supply, lowering inventory and cost.

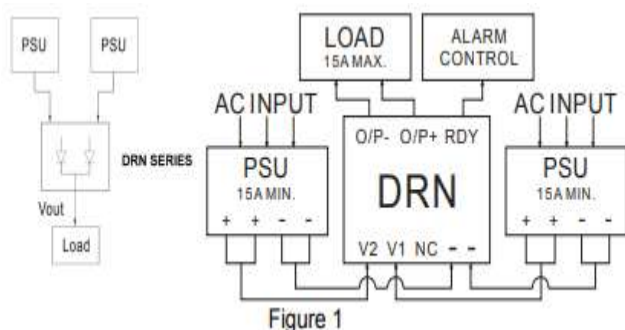
Model	Voltage Input Voltage	Output Voltage	Output Current Max.	Alarm Voltage
DRN15	10.5~33V	10~33V	15A	10VDC
DRN10-80V	33~80V	33~80V	10A	26VDC
DRN10-180V	80~180V	80~180V	10A	64VDC

Application Circuit

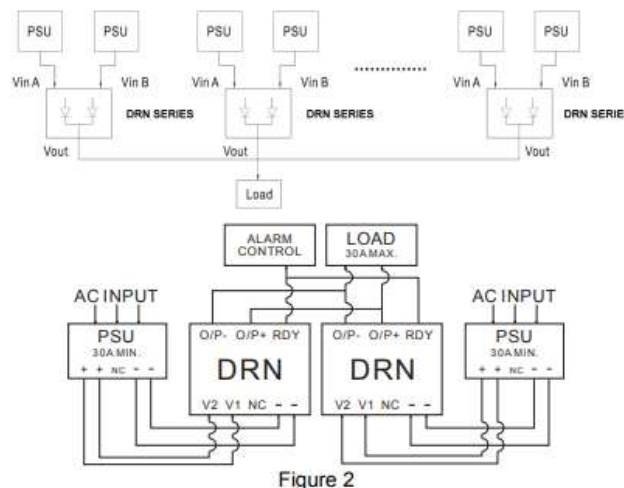
Function description: A redundant system is a system in which two power supplies are supplying power to a load at the same time. When one of them fails and the other continues to supply power to the load, a fault alarm will be generated. The DRN series will emit a buzzer alarm and a RDY signal. The customer can choose to apply the RDY signal according to their needs. The specific power supply that has failed can be seen visually on the DRN series panel. There are V1 LED and V2 LED indicators on the panel. V1 LED light corresponds to the input terminal V1; V2 LED light corresponds to the input terminal V2. The corresponding light is off to indicate which power supply is faulty. Wiring Instructions:

- Standard Current Connection:** The maximum output current is limited by DRN, see Figure 1. Two switching power supplies (PSUs) are connected to DRN series V1 and V2 respectively, with the positive to the positive of the power supply and the negative to the negative of the power supply. Two PSUs supply power to the equipment (load) at the same time when both of them are normal. When one of the power supply is faulty and the other one continues to supply power to the equipment (load), a fault alarm will be generated, the DRN will alarm the buzzer, send the RDY signal, and the panel indicator light will go out corresponding to the faulty power supply.
- Expansion Current Connection:** When more current is needed for the output, multiple DRNs need to be connected in parallel, and the maximum current output is the sum of N DRNs. The wiring is shown in Figure 2. The working principle is the same as the Standard Current Connection. When multiple DRNs are connected in parallel, each group V1 and V2 is connected in parallel.

1.



2.



Note: Load current must be less or equal to output current.



DIN RAIL UPS SERIES

DIN RAIL UPS SERIES



Detail specifications

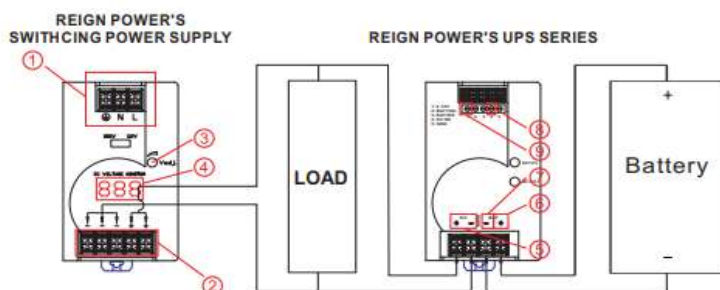
Model	Lead acid battery	External Power Supply	Battery low voltage protection	Max. battery output current	Battery output voltage
UPS30-24	24V	27.6V	20.5V	30A	20.5~27.6V

Model	Li-ion battery	External Power Supply	Battery low voltage protection	Max. battery output current	Battery output voltage
UPS30-24L	24V (7 Cells)	24V	20.5V	30A	20.5~24V

Application Circuit 1

Provide backup after AC failure.

(Reign Power reserve the right to change specifications at any time without notice)



No.	Description
①	100-240VAC input
②	DC output
③	Output voltage control
④	Output voltage display
⑤	DC input
⑥	Battery positive terminal
⑦	Battery negative terminal
⑧	Relay terminal
⑨	Battery Proportional Signal



Clamp Electromotive Force Module

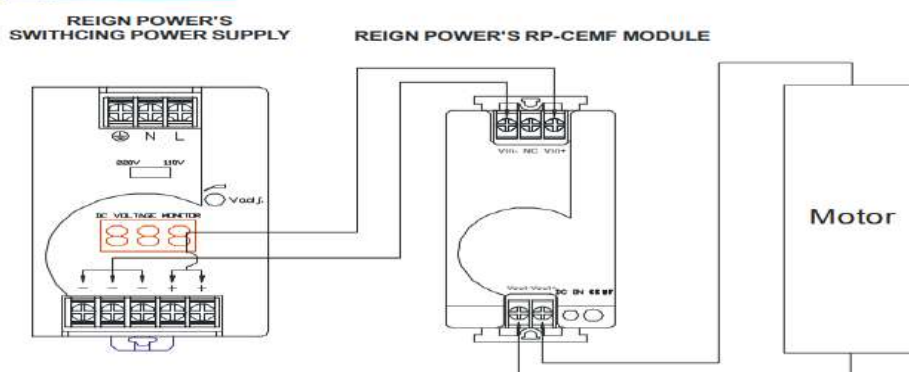
CEMF SERIES



RP-CEMF module specializes in motor application that can eliminate back electromotive force. When stepper motor is braking, back electromotive voltage that generate from motor coil will easily let the switching power supply trigger self-protection, shutdown, stop powering, even more, burn the customers' product. RP-CEMF module can quickly eliminate the back electromotive voltage and stabilize the output voltage in order to make customers' system work faster and accurate.

Model	Input Voltage	Output Voltage	Max Average Output Current	Max Peak Output Current	Price
RP-CEMF	20-75VDC	20-75VDC	10A	20A	44,00

Application Circuit



Power Supply & Charging Controller (Backup Power Controller)

Functioned as UPS when connecting external battery

Photo	Series	PFC	Input Voltage	Output	Output Channel	Size:LxWxH (mm) Drawing	Safety Certification
	RCB1100-24F		90~264VAC	100W +24V/3.65A	1	35x151x99 Convection Cooling	CE
	RCB1200-24M		110/220VAC	200W +24V/7.25A	1	35x151x99 Convection Cooling	CE

TECHNICAL SUPPORTS

Why choose optional Reign Power AC-DC power modules ?

In market power modules are almost all DC to DC. But reign Power's AC to DC power modules that they can replace conventional transformers, adapters, it is a miniaturized switching power supply can be exempt that use of plug-in power adapter accessories plague many and a lot of trouble.

- 1. small size, light weight:** Reign power of AC to DC power module volume are Market' product sold half, small size and light weight. Compact size let user to products become small it is possible.
- 2. Complete Certification:** Reign of AC to DC power modules have UL, CE complete certification. Products meet international quality standards. Use high-level products is the best solution method.
- 3. Glue products:** Moisture and dust, Shockproof. They are Mobile products. They are belong outdoor products, on Vehicles, on boats, supply the best solution.
- 4. Range:** 5W.15W.30W.50W. They are Single and dual output. Subsequent models, still developing 100W.150W.300W supply complete solutions for customers.
- 5. Reign Power of AC-DC power modules:** They are built-rate filter with capacitor, however some commercially market's power modules must be modules external add of these devices. Create additional costs and space, so that it is not mean and need.
- 6. Big range operating temperature** from -40 to 70 degrees can work particularly special, especially for outdoor use industrial controller.

DC OK Signal Instruction of Smart Alarm Din Rail Power Series

- **Provide** alarm function when power source is abnormal. Clients can quickly know whether power source is abnormal or not by the relay contacts are open circuit or short circuit. We call these contacts as DC OK signal contacts.
- **Power source abnormal definition:** Voltage alarms when output voltage value is not in the range of -10% to +10%, open circuit for relay.
- **Current alarms** when output current value is over 100%, open circuit for relay.
- **Temperature alarms** when monitor panel temperature is lower than -20 or higher than 75 degrees Celsius, open circuit for relay.
- **Relay alarm is normally closed contact.** (For the two contacts, short circuit when power source is normal; open circuit when power source is abnormal).

Why chose Output Monitoring Digital Display Rail Power ?

Reign Power announced the output voltage monitoring din rail switching power supply which can be installed onto 7.5 or 15mm TS-35 DIN Rails. Rated output power from 20W to 1000W. All related series are UL508 and CE certified. The advantage of the power supply is as follows:

Traditionally, right range of output power of industrial power supply can only be indicated by LED. However, this method is quite simple and rough, and is unable to display precisely, causing user cannot determine the cause of system failure. Reign Power din rail switching power supply monitors voltage which shows real time power stability. The solution is different from old LED display ones and can be intuitive and quick to decide whether the power products is running normally or not.

Stability is key point of sophisticated high-end equipment. In order to ensure the product reliability in actual use, output voltage needs to be adjusted under following situations: the voltage drop of wiring length and voltage trimming of system accuracy requirement. These requirements are not inconvenient for site construction staffs and quality inspection, they have to use multimeter to calibrate and test. Now, with voltage monitoring Reign Power din rail switching power supply, there is no need for additional during installation. The straightforward operation of voltage adjustment can examine the products. Not like standard screw installation, rail mounting does not need fixing screws and is neat. As the result, efficiency and quality can improve significantly in production and maintenance.

After products sale, there is inevitably defects or malfunction. It is essential for product producer to rapidly resolve these faults so as to lower the maintenance cost, especially, when they take place in which personnel cannot reach. Reign Power din rail switching power supply with digital voltage monitor can let the non-professional client directly determine product status and report back the reason is related to whether power quality or not. This can accelerate product maker services to client and get the reputation from market.

Reign Power digital type din rail switching power supply is specific product line, market competitor is few. With Reign Power digital type din rail switching power supply, manufactures can smoothly distinguish the market segment and elevate market position without price competition, avoiding Red Sea and enter Blue Sea. Reign Power digital type din rail switching power supply is inexpensive and economics, inarguably, the best practical solution.

Why use Reign Power Intelligent Power Supply ?

Traditionally, Power Supply could only have a passive output of high-tension supply. And the precision equipment must be sure has the percentage of reliable. The reason why that needs to avoid to waste of the efficiency and the cost, because it must measure output voltage, current, running temperature and running time by measuring instrument, when for maintainability.

For the working value point:

Voltage Measuring : Voltage is the heart of electronic product. The running temperature instable and accurate voltage is very important for electronic product.

Even for high level equipment could not have any mistake, it will be cost a serious consequence and damage.

REIGN POWER has please to present a new intelligent power supply solution, it can exact measure the voltage without any mistake, and when the voltage full over the current than $\pm 15\%$ the relay will automatic send the warning sign by 1 Amp out that is easy to customer who operating the circuit. (The connection of warning signal is totally insulate)

Current Measuring : Correct running current information that could showing the power supply in damage and test to the running current also could expect to prevent the problem to be happened with product. In our intelligent supply solution that could solve and monitor all of power running condition and if the current over that also send the warning sign.

Temperature Measuring : power supply is the heart of electronic product therefore at the running instable environment; it will damage and reduce the power supply cycle life. Moreover it also will be caused unexpected problem. To check the temperature whether high this can make sure the reliability of the machinery. When gets higher the relay will send the signal by 1 Amp out that is easily to customer who can operate the circuit.

Running time display : Any electronic product has cycle life. If the power is end of cycle life and does not replace timely, it will cause a huge damage. REIGN's intelligent power supply can show the each time of process environment. When it full over the cycle life of power supply, the LED display panel will show the signal to reminder the user to replace for avoid any damage risk.

REIGN's intelligent power supply provides mounting on the din rail. It is a very convenience and excellence external form design. Also it has a completed safe approval. In addition, the precision equipment crashed protection without any reason that could choice the power with backup function to strengthen the power safety. Any redundant power details please refer to redundant (RDY signal).

REIGN POWER CO., LTD deeply hopes that we can thereby these functions to increase your profit of business and always stand on competitive advantage.