

### Feature

- With three-phase current display and the number of data detection function display (standard models current detection function)
- 0.1% of the fully digital operation display and a number of debugging and protection functions, high precision process control, resolution
- All models with RS485 Modbus RTU communication functions to facilitate real-time monitoring and control
- A variety of input control: 4 ~ 20mA, 0 to 20mA, 1 to 5V, of 0 ~ 5V of 2 ~ 10V, 0 ~ 10V, potentiometer, the KEY IN RS485
- Three-phase full-wave control output mode, then zero phase line output mode and set to the regulator, the current limit, the constant current mode
- Can set maximum and minimum set start time and output buffer
- Number of abnormal display, real-time output alarm and stop setting the SCR output or continue to work
- With input and output terminal protective cover to prevent the risk of electric shock
- The power input of the built-in high-speed fuse to protect the internal SCR module
- Containing electronic automatic temperature detectors as a heat sink overtemperature protection
- Cooling fan automatic control, fan operation, the temperature is too high to avoid fan for a long time operation, extend fan life.
- No phase sequence of the main power and auxiliary power relations, boot in no particular order, 50/60HZ automatically do do.
- The full-featured models with three-phase the imbalance detection function and load measured disconnection overcurrent SCR breakdown anomaly detection



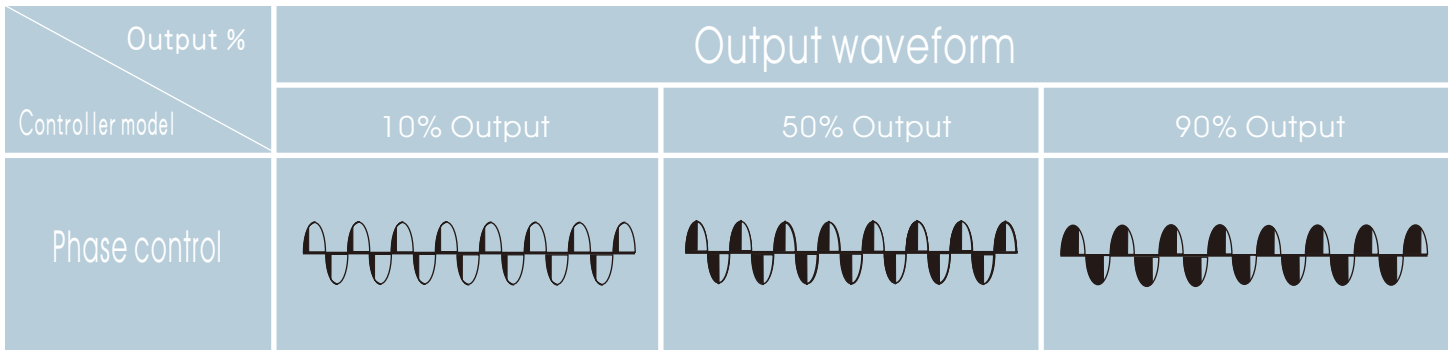
200-1000A  
DPR Series

**We offers a full range of SCR digital power controllers with phase angle firing to suit many industrial applications: Industrial heating, furnaces, kilns, variable resistive loads, transformer coupled loads, fast response loads, high in-rush current, short wave infrared, standard resistive loads, silicon carbide elements. giving optimum performance and equipment lifetime. Available in single phase and 3-phase, digital scr power controllers are able to efficiently control all industrial heating applications.**

### Information

load current	200,300,400,600,800,1000A
load voltage	100~480VAC
Auxiliary power	100~230VAC +/-15% , 50/60HZ
Control signal	0-20mA/4-20mA/0-5VDC/1-5VDC/0-10VDC,VR-10K,KEY IN,RS485
Resolution / linearity	0.1% / 1%
Leakage Current	15mA (Max)
Consumption Watts	5W (Max)
Frequency range	50~60HZ
Input resistance	DCA (250Ω) ,DCV (10KΩ)
Insulation voltage	AC2500V (1 Min)
Alarm contacts	2.0A
Operating Temp.	-10~82°C
Operating RH.	95% RH
Communication	RS485 Modbus RTU
Cooling	Natural cooling or install a fan
Soft Start	0-20% (about 0-15 sec)
Fan ON / OFF temp.	>50°C ON / <45°C OFF
Over temp.	<82°C OFF / >73°C ON

# Control mode and the output waveform comparison



## Order code / Dimensions / Weight

## Wiring diagram

MODEL: DPR				-			
Model	DPR						
Type	3	Three-phase					
Voltage	48	100-480VAC					
	99	SPECIFIED					
Current	30	200A					
	50	300A					
	75	400A					
	100	600A					
	120	800A					
	150	1000A					
Control signal		A	0-20mA				
		B	4-20mA				
		C	0-5VDC				
		D	1-5VDC				
		E	0-10VDC				
		F	2-10VDC				
		S	SPECIFIED				
Optional feature		S	Standard				
		C	Full-featured				
External Potentiometer		N	No				
		V	Have				
Type Spec.	(L X W X H)mm/(Weight)kg						
200A	290X380X225mm/11.5kg						
300A	305X385X246mm/13.0kg						
400A	305X385X246mm/13.0kg						
600A	340X385X246mm/16.0kg						
800A	340X385X246mm/18.0kg						
1000A	340X385X246mm/21.0kg						

