

Three-phase Power Controller

FPG3 series

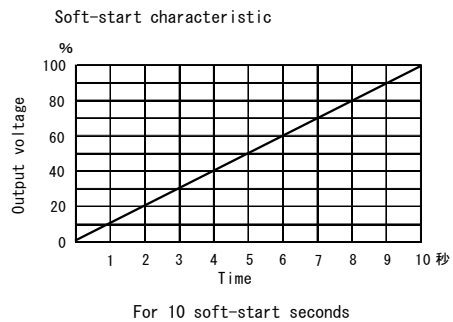
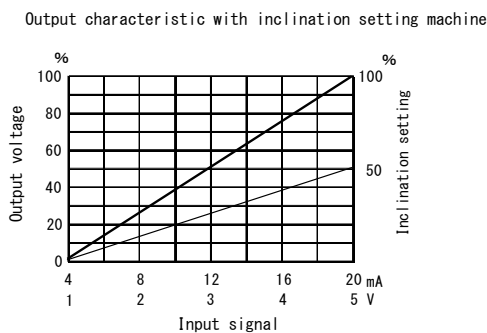
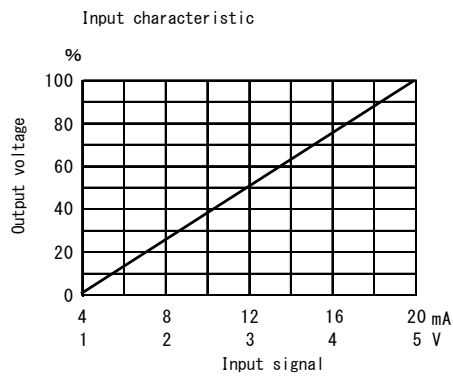
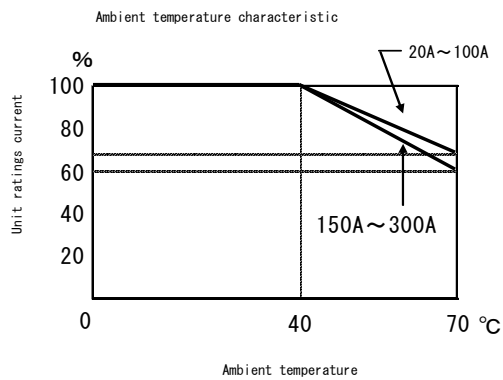
RoHS



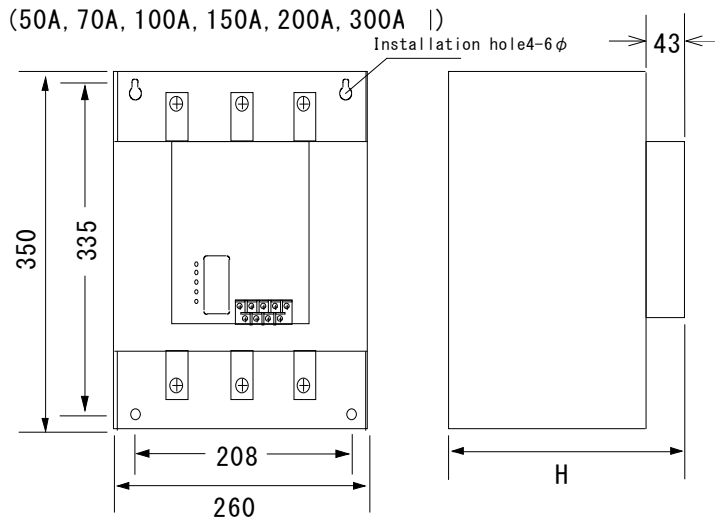
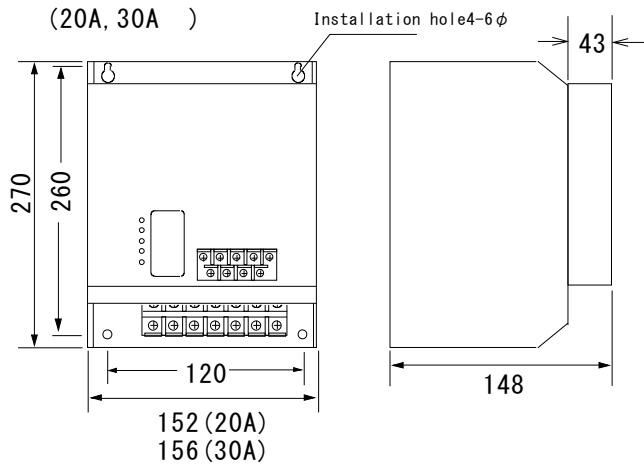
Forest Co., Ltd.

Specification

Number of aspects	Three-phase
Maximum load capacity	AC 20A,30A,50A,70A,100A,150A,200A,300A
Minimum load current	0.3A
Power supply voltage	AC 200V,220V,380V,400V,440V(AC240V can be produced)
Power supply frequency	50/60Hz±1Hz automatic operation selection
Permissible power supply voltage change	Within ±10%
Control method	Phase control method
Application load	Straight line(R:Resistance) load or inductivity(L) load(side control) of the first transformer)
Input signal	DC1-5V(input impedance:10kΩ) DC4-20mA(input impedance:150Ω)
Range of output control	0-98% of the first side power supply voltage
Cooling method	Natural cooling(AC20A,30A,50A,70A) Compulsion cooling by wind(AC100A,150A,200A,300A)
Standard function	Soft start(changeability type of 1-10sec),Reverse phase detection
Permissible voltage change	Within ±10% of ratings value
Category temperature range	0-40°C
Operating humidity limits	90%RH or less(No do be dewy)
Environment	Causticity gas and dust and vibration,etc
Installation method	Vertical installation
Power consumption	2.4VA or less(20A,30A,50A,70A),11.4VA or less(100A),20.4VA or less(150A,200A),21.0VA or less(AC300A)
Insulation resistance	500V DC 50MΩ or more between main circuit terminal and case
Withstand voltage	1500V AC 1minute between main circuit terminal and case
Weight	20A:3.0kg,30A:3.6kg,50A:8.8kg,70A:10.8kg,100A:11.4kg,150A:14.3kg,200A:19.3kg,300A:20.9kg



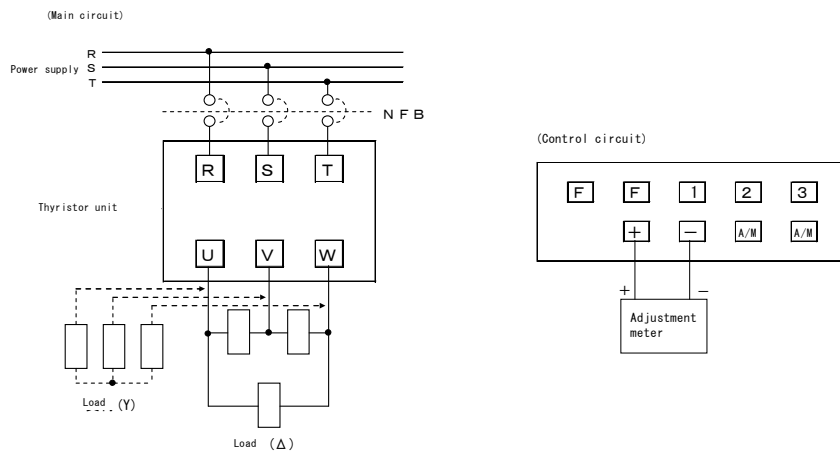
Dimensional Outline Drawings



單位 : mm

	H
50A	193
70A, 100A	233
150A, 200A, 300A	253

The example of external connection



FPG-3 Type name code

Specification	Specification code					
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Control scheme	Phase control system	FPG-				
Power-supply voltage	AC200V,220V(Specify either)		32			
	AC380V		33			
	AC400V,440V(Specify either)		34			
Current rating	Maximum load current	20A		02		
		30A		03		
		50A		05		
		70A		07		
		100A		10		
		150A		15		
		200A		20		
300A		30				
Application load	Straight line(R:Resistance)load			R		
	Inductivity(L)load			L		
Input signal	DC4~20mA				A	
	DC1~5V				C	
Option	Manual switch and automatic operation/inclination setting					1
	Fuse disconnection warning(Only type with fast-blow fuse)					4
	H-L control					5
	With a fast-blow fuse					F
	Non-standard voltage(AC240V,460V,480V)					T

Business line

Automatic temperature control meter

Various temperature detection edges

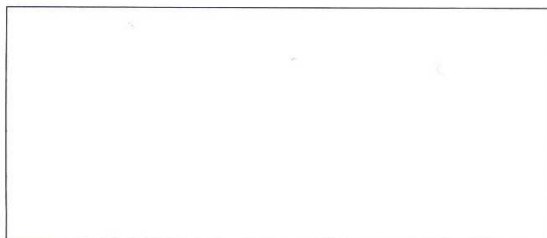
Direct-current ampere-hour meter

Direct-current ampere-hour meter by microcomputer control

Thyristor power controller

Heater disconnection alarm

In addition, electronic application apparatus



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**Caution
in using**

- Since this product is not manufactured for the applications stipulated in the Export Trade Control Ordinance, it cannot be used for the purpose of weapons of mass destruction.
- The final application and final customer must be checked so that it will not be used for weapons of mass destruction (military application, military equipment). Due attention must also be paid to the re-sale so that it will not be illegally exported.

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