

AS Series

Thyristor AC Power System



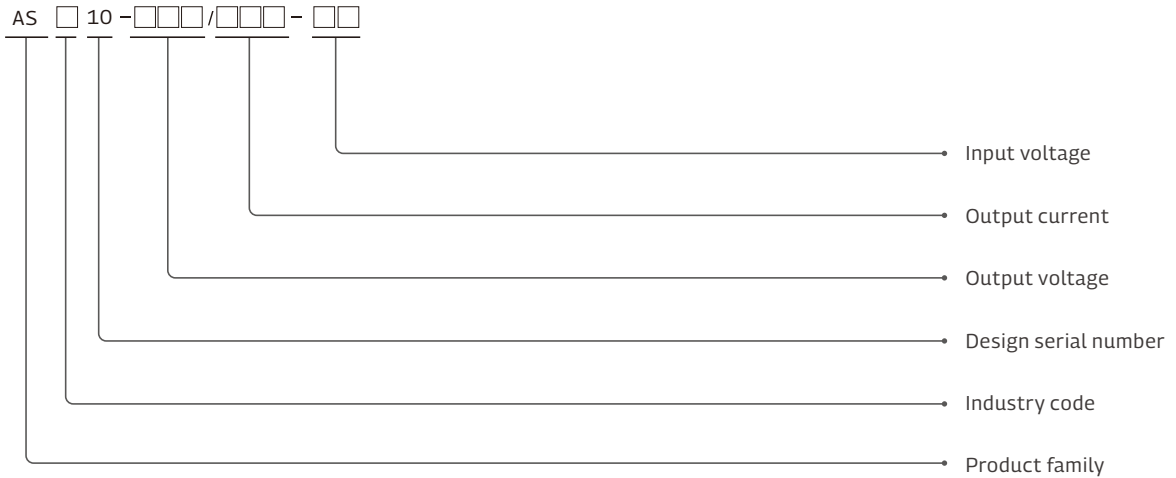
Features

- Fully digital design, 32-bit high-speed DSP as the control core, fast response speed, High stability
- Support multiple operating modes such as constant voltage, constant current, and constant power, which can be freely selected for use
- True effective value detection technology, accurate and constant output power
- Support second-generation online power distribution technology to effectively improve transformer utilization
- Optional stacking control technology can improve the power factor of the power supply system and reduce harmonics
- Standard configuration RS485 communication interface, supports Modbus RTU communication, expandable Profibus-DP communication Profinet communication

Usages

- The AS Series is widely used in steel metallurgy, glass fiber, vacuum coating, industrial electric furnaces, crystal growth, air separation and other industries

Definitions







Specifications

Input	
Input voltage	AC 220V-690V (Customizable) 3ΦAC 220V-690V (Customizable)
Input frequency	47-63Hz
Output	
Rated voltage	AC 10V-30000V (Customizable)
Rated current	AC 10A-30000A (Customizable)
Performance index	
Control accuracy	1%
Stability	<0.5%

Control features	
Given method	Analog, communication
Operating mode	Phase shifting, power regulation, LZ
Control mode	U, I, U ² , I ² , P
Protection function	Overcurrent protection, overheating protection, power abnormality protection, load imbalance protection, thyristor failure
Communication	Standard configuration RS485 communication interface, support Modbus RTU communication, expandable Profibus-DP, Profinet communication
Others	
Cooling method	Air-cooling, water-cooling
Overall dimensions	Customizable according to customer's demand

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