

TPH10

General-purpose Single-phase Power Controller



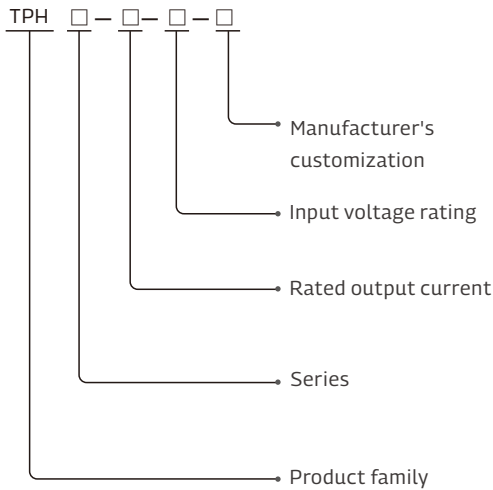
Features

- Fully digital control, high precision and stability
- Effective value and average value control
- Various control methods to choose
- Support Injet's second generation patented power distribution option. Effectively reduce the impact on the power grid and improve power supply security
- LED keyboard display, easy operation and support of external keyboard display
- Narrow body design, compact structure and easy installation
- Standard configuration: RS485 communication interface, Modbus communication, scalable Profibus-DP communication, Profnet communication

Usages

- TPH10 series power controller is a multi-functional and cost-effective product which adopts a narrow-body design to save horizontal space in the cabinet. Advanced second-generation online power distribution technology has greatly relieved the current impact on the grid. The products are widely used in floating glass, glass fiber, annealing kiln and other industrial electric furnaces.

Definitions



Model NO.	Rated current(A)	Dimension(mm) (H×W×L)	Weight(kg)	Cooling method
TPH10-25-S□□□	25	260x87x172	3.3	Self-cooling
TPH10-40-S□□□	40		3.3	
TPH10-75-S□□□	75	260x87x207	4	Air-cooling
TPH10-100-S□□□	100	300x87x206	5	
TPH10-150-S□□□	150		5.3	
TPH10-200-S□□□	200	355x125x247	8	
TPH10-250-S□□□	250		8	
TPH10-350-S□□□	350		10	
TPH10-450-S□□□	450	360x125x272	11	
TPH10-500-S□□□	500		11	
TPH10-600-S□□□	600	471x186x283	17	
TPH10-700-S□□□	700		17	

Specifications

Input	
Main circuit power	AC230V, 400V, 500V, 690V, 50/60Hz
Control power	AC110V~240V, 20W, 50/60Hz
Fan power	AC115V, AC230V, 50/60Hz
Output	
Output voltage	0%-98% of main voltage (phase shifted)
Rated current	25-700A
Performance indications	
Control accuracy	1%
Stability	≤ 0.2%

Control features	
Operating mode	Phase-shift triggering, power-adjusting cycle, power-adjusting variable-cycle
Control method	α , U, I, U^2 , I^2 , P
Control signal	Analog, digital, communication
Load type	Resistive load, inductive load
Interface description	
AI	2 channels (AI1:DC 4~20mA;AI2:DC 0-5V/0~10V)
AO	2 channels (DC 4~20mA/0~20mA)
DI	3 channels open
DO	1 channel open

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