

KTY3S

Multi-function Three-phase Power Controller



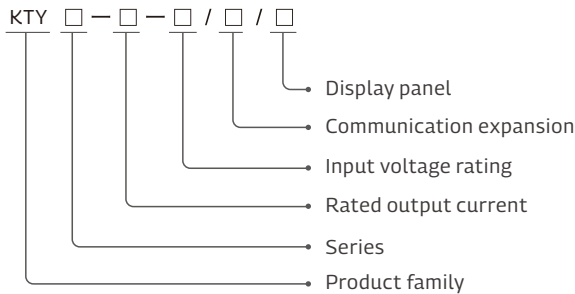
Features

- DSP control core, parameter setting, rich detection, and complete protection functions
- LED digital display, keyboard parameter setting, easy to operate
- Integrated open loop, constant voltage, constant current, constant power, power adjustment (zero crossing) control, LZ(Phase-shifted zero-crossing) control, online power distribution and other functions integrated into one, flexible to use
- With effective value/average value control, active power control
- Equipped with 4 analog outputs, programmable output of many internal parameters
- Analog/switch input and output are programmable to facilitate user configuration
- Strong anti-interference ability
- When used for power adjustment, power can be distributed online to reduce the impact on the power grid
- Standard configuration RS485 communication interface (MODBUS RTU protocol)
- Scalable Profibus / Profinet/ Modbus TCP communication

Usages

- The KTY3S Series is widely used in industrial electric furnaces, mechanical equipment, glass industry, automobile industry, chemical industry and other industries.

Definitions



For example:

KTY3S-100-4/NN/S : Three-phase 100 A , 380V supply, standard KTY3S power controller without extensions.

KTY3S-1K0-4/PN/W : Three-phase 1000 A , 380V power supply , extended PROFINET communication card, this machine has no display panel.

Model NO.	Rated current(A) U _s ≤500V	Dimension(mm) U _s ≤500V	Weight (kg)	Cooling method
KTY3S-25	25	405x250x225	11	Self-cooling
KTY3S-40	40		11	
KTY3S-75	75	405x250x265	12	Air-cooling
KTY3S-100	100		13	
KTY3S-150	150		13	
KTY3S-200	200	480x311x315	24	
KTY3S-250	250		24	
KTY3S-350	350		26	
KTY3S-450	450		42	
KTY3S-600	600	570x400x310	55	
KTY3S-800	800	680x480x310	60	
KTY3S-1K0	1000	630x700x380	85	
KTY3S-1K5	1500	950x860x385		
KTY3S-2K0	2000	950x860x385		

For larger current levels, please contact the manufacturer.

Specifications

Input	
Main circuit power	KTY3S-****-4: AC100-400V,45-65Hz KTY3S-****-5: AC400-500V,45-65Hz KTY3S-****-7: AC500-690V,45-65Hz
Control power	AC100~240V, 0.5A, 45-65Hz
Fan Power	AC220V,50/60Hz
Output	
Output voltage	0%-98% of main voltage (phase shifted)
Rated current	See model definition
Control method	Open loop, constant voltage, constant current, constant power, power regulation (over zero), LZ control, on-line power distribution
Control signal	Analog, digital, communication
Load type	Resistive load, inductive load

Performance indications	
Control accuracy	0.5%
Stability	0.2%
Interface description	
AI	4 programmable inputs
DI	1 fixed input, 2 programmable inputs
AO	2 programmable outputs
DO	2 programmable outputs
Communication	NN: Standard RS485 (with motherboard) DP: Extended communication card (PROFIBUS) PN: Extended communication card (PROFINET) MT: Extended communication card (MODBUS TCP)
Display panel	S: with IDPO2 digital tube display panel, C: with IDPO2 Chinese LCD panel, E: body with IDPO2 English LCD panel, W: without display panel, closed with sealing plate

Sichuan Injet Electric Co.,Ltd.

- www.injet.com
- injet@injet.cn
- +86-0838-2900585 2900586
- No. 686, Jinshajiang West Road, Deyang, Sichuan, China