



KEY130S / KEY160S / KEY180S / KEY1001S / KEY230S / KEY260S / KEY280S / KEY1002S

KEY1015S / KEY2015S

KEY SERIES (300W~1.5KW) Normal Class

| PARAMETER | | KEY130S | KEY160S | KEY180S | KEY1001S | KEY1015S | KEY230S | KEY260S | KEY280S | KEY1002S | KEY2015S |
|------------------------------|------------------------|--------------------------------|--------------------------------|------------|----------------------|--------------------------|--------------------------------|--------------------------------|------------|---------------|--------------------------|
| DC input voltage | | 12V | | | | | 24V | | | | |
| DC voltage standard | | 13.4V | | | | | 26.4V | | | | |
| AC voltage standard | | AC225V | | | | | AC225V | | | | |
| Output power continuous | | 300W | 600W | 800W | 1000W | 1500W | 300W | 600W | 800W | 1000W | 1500W |
| Surge rating | | 600W | 1200W | 1500W | 2000W | 3000W | 600W | 1200W | 1500W | 2000W | 3000W |
| Efficiency et rated power | | 86% | | | | | 89% | | | | |
| THD [max] | | 240W 0.8% | 360W 1.1% | | | 1000W 1.1% | 240W 0.8% | 360W 1.1% | | | 1000W 1.1% |
| No load current | no fan | 0.77A | 0.62A | 0.63A | 0.66A | 0.80A | 0.42A | 0.38A | 0.44A | 0.41A | 0.40A |
| | on fan | 1.00A | 0.80A | 0.82A | 0.84A | 1.15A | 0.61A | 0.49A | 0.55A | 0.45A | 0.66A |
| Low battery shut down | | 10.2V | | | | | 20.0V | | | | |
| Low battery return on power | | 11.2V | | | | | 22.4V | | | | |
| High battery shut down | | 17.2V | | | | | 31.7V | | | | |
| High battery return on power | | 15.2V | | | | | 30.0V | | | | |
| Frequency[50/60] selection | | 60HZ | 60HZ (50hz/60hz select switch) | | | | 60HZ | 60HZ (50hz/60hz select switch) | | | |
| Regulation | | Max 5% | | | | | Max 5% | | | | |
| Over temperature protection | | -25℃ ~ +72℃ (75℃±5℃) | | | | | -25℃ ~ +72℃ (75℃±5℃) | | | | |
| Over temperature power on | | 58℃ | | | | | 58℃ | | | | |
| Output wave form | | Pure sine wave (D.S.P) | | | | | Pure sine wave (D.S.P) | | | | |
| Cooling fan [auto fan] | | Fan on temperature 43℃ (±0.5℃) | | | | | Fan on temperature 43℃ (±0.5℃) | | | | |
| Insulation transformer | | 2KV ~ 2.5KV | | | | | 2KV ~ 2.5KV | | | | |
| Over load protection | Input sensor | | - | - | - | - | | - | - | - | - |
| | Input fuse | 30A(1EA) | 30A(2EA) | 40A(2EA) | 40A(2EA) 30A(1EA) | 40A(2EA) | 20A(1EA) | 30A(1EA) | 40A(1EA) | 30A(2EA) | 40A(2EA) |
| | Output sensor | | - | - | 20A(Sensor) | 20A(Sensor) | | - | - | 20A(Sensor) | 20A(Sensor) |
| | Output circuit breaker | 2A(Fuse) | 3.5A(Fuse) | 4A(Fuse) | 5A(Fuse) | 10A(Fuse) | 2A(Fuse) | 3A(Fuse) | 4A(Fuse) | 5A(Fuse) | 10A(Fuse) |
| | AC outlet/terminal | | 1P Socket*2ea(15A) | | 2P Outlet 16A | | | 1P Socket*2ea(15A) | | 2P Outlet 16A | |
| Dimensions [W×H×D(mm)] | | 186×76×220 | 186×76×240 | 186×76×270 | 186×76×290 | 195×89×365 186×76×365 | 186×76×220 | 186×76×240 | 186×76×270 | 186×76×290 | 195×89×365 186×76×365 |
| Weight | | 2.0kg | 1.5kg | 1.7kg | 2.9kg | 4.4kg/3.5kg | 2.0kg | 1.5kg | 1.7kg | 2.9kg | 4.4kg/3.5kg |

PRODUCT IN USE

Induction electric stove, Precision test equipment, Precision medical equipment, Precise audio-video equipment, Electric rice cooker(inverter type), Electric pad(inverter type), Electric fan, Refrigerator(inverter type), Import refrigerator, Microwave oven, Charger(electric, communication transmit-recvie, charge park), Electric three-phases inverter, Motor controller, LED bulb, Laser printers, Solar lamp, Mercury/Halogen/HQI lamp, Non-linear loads[motor, coil, etc], Other electrical or electronic equipment, and equipment while could experience malfunction due to similar step form waves

ON/OFF SURGE

When turned-on, by controlling surge time from DSP program for more than 1.5 seconds, we can realize stronger surge in absorbing power of motor, fridge & etc, and, when turned-off, as extinguishing time of lamp is around 2.5 seconds, the operation of turn-on switch will be stopped till complete lights-out, so all the equipments connected can be protected and remaining current in purse & circuit can be erased, by blocking sudden re-operation or repetitive on/off.

BLOCKING OVERLOAD

By sensing higher operation of load than equipment via self-diagnosis(DSP) program three times, if we could find excessed load capacity than given one, then it would be blocked automatically while less load capacity than given one would make it operate.

※ Specification of the product may change without notification for the improvement of performance.