

For Automation / High Dustproof Specification

High Reliability Welding

- **Selectable frequency (2 kHz, 4 kHz, 5 kHz)**
Reduces current ripple by optimization
- **127 steps (slope, weld, cool) parameter setting**
Multi-step welding suitable for fusing and resistance heating
- **Variation of weld stop: Less than 1 ms**
Reduces error of work displacement
- **Enhanced dust-proof structure (dust, oil mist)**
Reduces malfunction and defect



Easy to Use

- **Remote control by program box**
Easy system design and easy parameter change
- **Worldwide operational compatibility**
Multiple power source 3-phase AC 200V to 480V
Ethernet Connection
- **Rich parameter setting**
255 conditions and the frequency can be selected to each condition



Program Box

High Performance

- **High-efficient air cooling transformer**
5 kHz and 8000 A (Duty cycle 5%) is realized
- **Multi-Transformer System**
Applicable to be used with maximum 4 transformer switchers
- **Reliability can be further improved by QC-450 Monitor**
Welding waveform is graphically displayed
Main unit has monitor function of voltage/current
Stop, increase, and decrease of weld power control is available from displacement, temperature date, etc. within 2 ms (fastest in the industry)



Multi-Transformer System



Welding Monitor
QC-450

NRW-IN400P Inverter Type Resistance Welder

■ Inverter Type Welding Controller Specifications

Item	Specifications
Control Frequency	2000/4000/5000 Hz selectable (Selectable on each PRG. No.)
Control Method	Primary peak current FB/Primary average current FB/Secondary effective current FB/Secondary effective current FB/Secondary effective power FB/Fixed pulse width FB
Primary Max. Output	400 A air cooling 5% (200 A air cooling 20%)
Number of Weld	Max. 127 STEP (Slope, Weld, Cool)
Pulsation Setting	Max. 64 stages
Breaker Capacity	75 A
Number of Program	255 Conditions
User Interface	Program Box
Monitor Function	Average/peak of current, voltage, power, resistance and pulse width
Waveform Display	N/A
Cooling Method	Air cooling
Communication, etc.	Ethernet, CF card
Input Power	3 phase AC 200 to 480 V \pm 10%
Weight	Approx. 18 kg
Dimensions (W x D x H)	186 x 490 x 279 mm

We will be pleased to test your sample, and return it with a report.

■ Welding Transformer Specifications

Items	New NT-IN8444A	
Rated Capacity	32.6 kVA	
Primary Input Voltage	300 V	600 V
Secondary Open-circuit Voltage	14.1 V (at 220 V)	
Transformer Winding Ratio	22:1	44:1
Input Frequency	5 kHz	
Maximum Current	8000 A	
Duty Cycle (Weld time)	Air cooling 5% (1000 ms)	
Weight	Approx. 22 kg	
Dimensions (W x D x H)	200 x 195 x 300 mm	

■ Options



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