

## SMART MINI-REX MRT type

IGBT high-frequency inverter system

### Power Supply units for various automatic plating...Chromium, Nickel, etc...

#### ■ MRT series feature

##### 1. Energy Saving type

High power factor input and high efficiency

##### 2. Compact, light and space-saving

SanRex unique cooling system produces an extremely light compact product. The front dimension is reduced, therefore requiring less floor area and thus saving space. A unit can be mounted on another unit of the same size.

##### 3. Low voltage and current ripples & high-speed response achieved

Output ripple of 3% or less has been achieved by using a built-in high-frequency inverter with high-speed response for voltage and current control.

##### 4. Extended control range

Output ripple of 3% or less has been achieved by using a built-in high-frequency inverter with high-speed response for voltage and current control.

##### 5. Complete protection functions

- ♦ The rectifier is protected by either of its built-in circuits; a current-limiting circuit that functions under constant voltage operation or a voltage-limiter circuit that functions under constant current operation.
- ♦ The rectifier has built in abnormal temperature detector in case of fan failure or high heat built up around the heat sink area.

##### 6. Efficient control functions

- ♦ Function for soft start
  - ♦ Function for setting lower limit voltage
  - ♦ Function for setting CV – CC change-over
  - ♦ Function for lower limit of current
  - ♦ Function for setting constant current density
  - ♦ Function for independently setting output voltage and output current (crossover control) optional
- Measures for a connection with an external computer control system are also incorporated.

