

## 16 UR MFDC Transformer

### Product Features

- UR series intermediate-frequency transformer, by the rectifier module, core, winding, water-cooled circulation of several parts.
- Transformer secondary output has low voltage and high current.
- Transformer has a low continuous load rate, operates discontinuously.
- Transformer has a large transmission power.
- One working frequency (1KHz or 4KHz).
- Low-voltage, high-current design for safe and efficient welding.
- It outputs direct current, due to the current bunching effect of direct current, the welding heat can be concentrated and the heat - affected zone around the weld joint can be reduced. This characteristic is particularly important for the welding of multilayer boards and thick plates.
- The magnetic core of the intermediate-frequency transformer is made of nano-amorphous iron-based strips. Nano-amorphous iron-based materials have the advantages of high magnetic flux density, high magnetic permeability, high Curie temperature and high thermal stability, as well as small eddy current loss, low iron loss and high magnetic induction intensity.



### Transformer Specifications

Model	URD-90	URD-130	URD-180	URD-240	URD-350
Supply Voltage	PWM 500V				
Rated Power	90KVA	130KVA	180KVA	240KVA	350KVA
Rated Primary Voltage	500V	500V	500V	500V	500V
No Load Secondary Voltage	9V	10V	10V	12.5V	12.5V
No-Load Loss	20000A(20%)	30000A(20%)	40000A(20%)	50000A(20%)	60000A(20%)
Cooling Method	Water-cooling	Water-cooling	Water-cooling	Water-cooling	Water-cooling
Input Frequency	1kHz	1kHz	1kHz	1kHz	1kHz
Transformer Volume Ratio	55:1	55:1	50:1	44:1	40:1
Size	150*106*282mm	150*106*322mm	162*127*345mm	180*150*400mm	340*220*440mm
Weight	13.8KG	16KG	24KG	48KG	70KG

