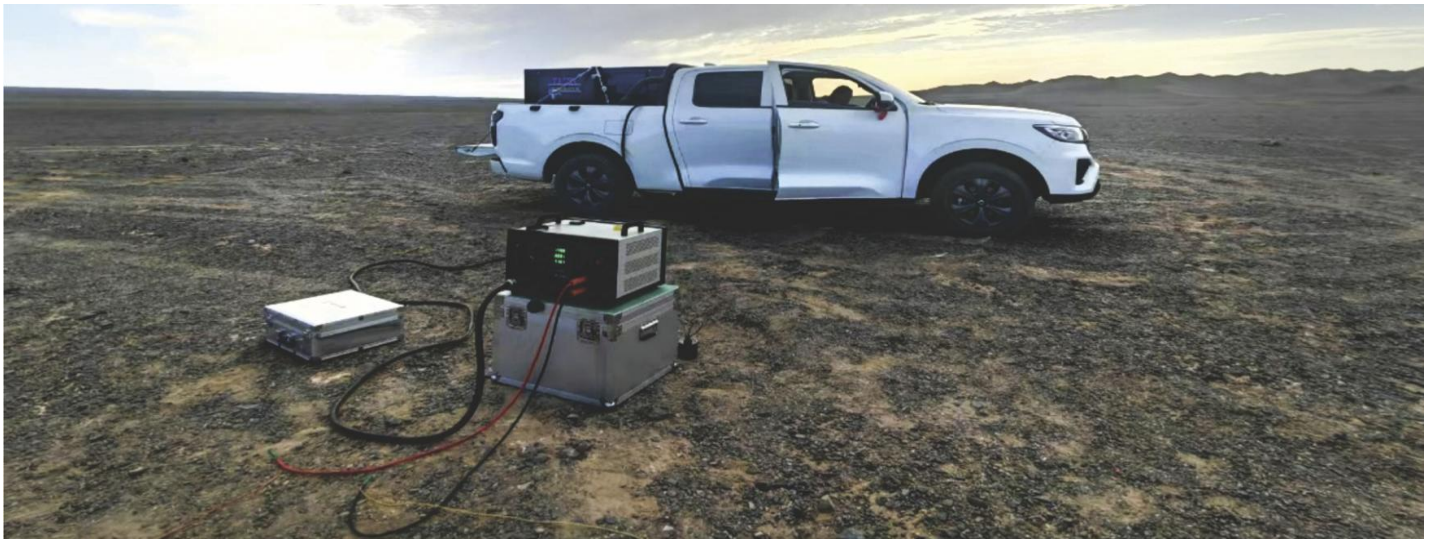
Transmitter Source

Designed specifically for high-power electromagnetic wave transmission, this instrument features a highly integrated system that seamlessly combines multiple functional modules, including rectification, inversion, and current recording. It is capable of generating time-domain waveforms with constant voltage and constant current at any duty cycle, as well as frequency-domain waveforms through automatic scanning of single-frequency and pseudo-random multi-frequency combinations.

Main Features

- Used for time/frequency domain IP, Spectral IP, CSAMT, TEM, TFEM, WFEM, etc.
- Broad-band: DC to 200 kHz
- Supports 4G wireless remote control
- Output up to 2000 V, 200 A
- Permanently synchronized to GNSS time ±0.03 μs
- Compact and lightweight, easy to carry.
- Rugged design reliable in all climates.
- Constant current supply.



Specifications

T30

- Power Output: 0-30 kW
- Output Voltage Range: 100 to 3000 V
- Output Current Range: 0 to 20 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 40 kg / 47 x 47 x 38 cm

T60

- Power Output: 0-60 kW
- Output Voltage Range: 50 to 2000 V
- Output Current Range: 0 to 100 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 52 kg / 53 x 42 x 33 cm

Specifications

T80

- Power Output: 0-80 kW
- Output Voltage Range: 50 to 2000 V
- Output Current Range: 0 to 100 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 58 kg / 53 x 42 x 33 cm

T100

- Power Output: 0-100 kW
- Output Voltage Range: 100 to 3000 V
- Output Current Range: 0 to 100 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 80 kg / 53 x 42 x 33 cm

Specifications

T160

- Power Output: 0-160 kW
- Output Voltage Range: 50 to 2000 V
- Output Current Range: 0 to 200 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 90 kg / 53 x 42 x 51 cm

T240

- Power Output: 0-240 kW
- Output Voltage Range: 50 to 2000 V
- Output Current Range: 0 to 200 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 110 kg / 78 x 57 x 43 cm

Specifications

T400

- Power Output: 0-400 kW
- Output Voltage Range: 100 to 3000 V
- Output Current Range: 0 to 200 A
- Input Voltage: Three-phase, 270 V–480 V
- Frequency Range: DC to 82 kHz
- Timing Control: GNSS synchronized ±0.03 μs (Drift of less than 1 ms over 10 hours without GNSS signal)
- Fault Protection: Output voltage/current out of range, power stack temperature high
- Bandwidth: DC to 200 kHz
- Wireless Communication: Built-in 4G + Wi-Fi
- Weight & Dimensions: 180 kg / 79 x 53 x 66 cm