



Medical X-Ray High-Voltage Generator

DMP-100R / DMP-100RF / Stationary System

DMP-200 Series / Stationary System with Capacitor

DMP-300 Series / Mobile System

- 3-phase adaptive input voltage improves image quality by reducing ripple and noise
- 2-speed motor-starter support satisfies system design requirements
- Connects to AEC/DAP peripherals for optimal machine configuration
- Digital control circuit enhances performance and accuracy



Hospital



Clinic





DELTA JOINS RE100

100% Renewable Electricity and Carbon Neutrality Targets for Its Global Operations by 2030.



ABOUT DELTA

Delta was founded in 1971 and has been the global leader in switching power supply solutions since 2002 and DC brushless fans since 2006. Delta offers some of the most energy efficient power products in the industry, including switching power supplies with efficient over 90%, telecom power with up to 98%, and PV inverters with up to 98.8% efficient. We have also developed the world's first server power supply certified as 80 Plus Titanium with over 96% efficient. We regularly invest around 8% of our annual sales revenues in R&D and have worldwide R&D facilities in Taiwan, China, Europe, India, Japan, Singapore, Thailand, and the U.S.

BUSINESS CATEGORIES



Power Electronics

- Components
- Power and System
- Fan & Thermal Management
- Automotive Electronics



Automation

- Industrial Automation
- Building Automation



Infrastructure

- ICT Infrastructure
- Energy Infrastructure & Industrial Solutions
- Display Solutions



2015

Commitments for "We Mean Business"

- Science-based emissions reduction targets (SBT)
- Climate change information in main reports (TCFD)
- Responsible corporate engagement in climate policy

2018

Commitments for EV100

- Scope:**
Delta's major operation sites
- Commitment:**
- Expansion of EV charging facilities
 - Switch to using EVs for company vehicles by 2030
 - Incentives for employees and customers to use EVs

2021

Commitments for RE100

- Use 100% renewable electricity in global operations by 2030

Carbon Neutrality

- Achieve carbon neutrality by 2030

Race to Zero

- Signed business ambition to meet the 1.5°C target

FOCUSED ON SEVEN UN SUSTAINABLE DEVELOPMENT GOALS

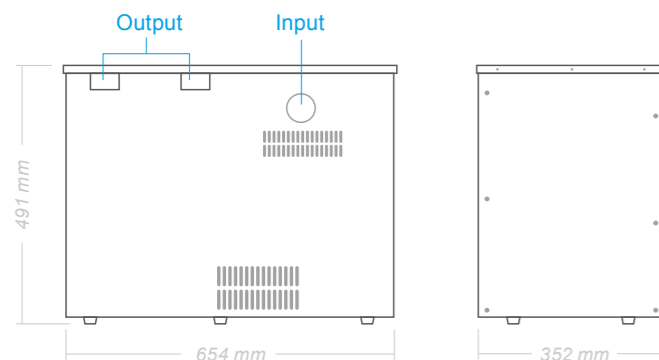


DMP-100R

Series Generator



- Digital control circuit enhances performance and accuracy
- 450-kHz high frequency performance
- 2-speed motor-starter support
- Connects to AEC / DAP peripherals
- Optional Console Support
- 1 phase / 3 phase input power available



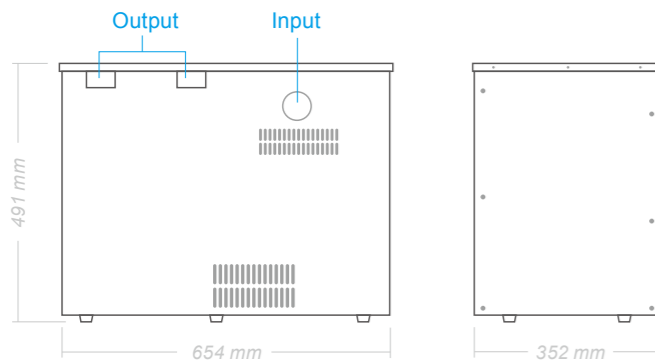
| DMP-100R | 32 kW | 40 kW | 50 kW | 56 kW | 65 kW | 71 kW | 80 kW | 82 kW |
|-------------------------|--|------------------------|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Input | | | | | | | | |
| Input Voltage | 230VAC ± 10%, 1Φ 230/400 – 277/480VAC ±10%, 3Φ | | 230/400 – 277/480VAC ±10%, 3Φ | | | | | |
| Input Current | 260A ± 10% @ 230VAC | 325A ± 10% @ 230VAC | 115A ± 10% @ 400VAC | 129A ± 10% @ 400VAC | 150A ± 10% @ 400VAC | 164A ± 10% @ 400VAC | 185A ± 10% @ 400VAC | 190A ± 10% @ 400VAC |
| | 80A ± 10% @ 400VAC | 100A ± 10% @ 400VAC | | 120A ± 10% @ 480VAC | 132A ± 10% @ 480VAC | 150A ± 10% @ 480VAC | 154A ± 10% @ 480VAC | |
| Input Frequency | 50Hz / 60Hz | | | | | | | |
| Output | | | | | | | | |
| kV Range | 40kV - 150kV, 1kV / Step | | | | | | | |
| kV accuracy | ± (5% of preset value + 1kV) | | | | | | | |
| Rise Time | < 1.5ms (10% - 90%) | | | | | | | |
| mA Range | 10mA - 400mA | 10mA - 500mA | 10mA - 630mA | 10mA - 800mA | 10mA - 800mA | 10mA - 800mA | 10mA - 1000mA | 10mA - 1000mA |
| mA Accuracy | ± (5% of preset value + 1mA) | | | | | | | |
| ms Range | 1ms - 10000ms | | | | | | | |
| ms Accuracy | ± (10% of preset value + 1ms) | | | | | | | |
| mAs Range | 0.1mAs - 500mAs | 0.1mAs - 630mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs |
| mAs Accuracy | ± (5% of preset value + 0.2mAs) | | | | | | | |
| Max. Output Power | 320mA / 100kV | 400mA / 100kV | 500mA / 100kV | 560mA / 100kV | 800mA / 80kV | 710mA / 100kV | 800mA / 100kV | 800mA / 103kV |
| Hardware | | | | | | | | |
| External Output Voltage | 24VDC ± 8% / 2A, 24VAC ± 10% / 6A, 110VAC ± 10% / 0.8A or 220VAC ± 10% / 0.8A | | | | | | | |
| Motor Starter | Dual Speed Auto Control | | | | | | | |
| Support Peripherals | AEC / DAP / DR | | | | | | | |
| Dimension | 654 mm* 352 mm* 491 mm (L*W*H) | | | | | | | |
| Weight | 75 kg | | | | | | | |
| Console | Optional, APR: 64 Preset for User Programmable | | | | | | | |
| Standard | | | | | | | | |
| Safety | IEC 60601-1 2nd edition, IEC 60601-1 3.1rd edition and IEC 60601-1 3.2rd edition, IEC 60601-2-54 | | | | | | | |
| EMC | IEC 60601-1-2 4 th edition compliance | | | | | | | |
| Certificate | CE MDD(0197) / CE EMC / CB | | | | | | | |

DMP-100RF

Series Generator



- Support single, pulse and continuous mode
- Digital control circuit enhances performance and accuracy
- 450-kHz high frequency performance
- 2-speed motor-starter support
- Connects to AEC / DAP peripherals
- 1 phase / 3 phase input power available



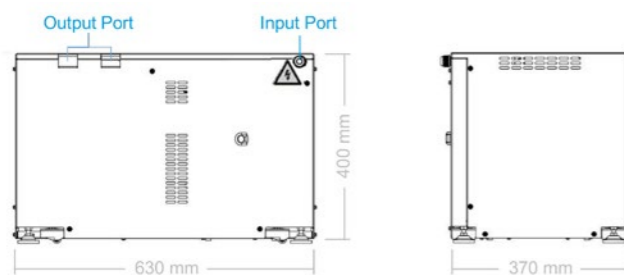
| DMP-100RF | 32 kW | 40 kW | 50 kW | 56 kW | 65 kW | 71 kW | 80 kW | 82 kW |
|--------------------------------------|--|------------------------|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Input | | | | | | | | |
| Input Voltage | 230VAC ± 10%, 1Φ 230/400 – 277/480VAC ±10%, 3Φ | | 230/400 – 277/480VAC ±10%, 3Φ | | | | | |
| Input Current | 260A ± 10% @ 230VAC | 325A ± 10% @ 230VAC | 115A ± 10% @ 400VAC | 129A ± 10% @ 400VAC | 150A ± 10% @ 400VAC | 164A ± 10% @ 400VAC | 185A ± 10% @ 400VAC | 190A ± 10% @ 400VAC |
| | 80A ± 10% @ 400VAC | 100A ± 10% @ 400VAC | | | | | | |
| | 70A ± 10% @ 480VAC | 88A ± 10% @ 480VAC | 100A ± 10% @ 480VAC | 112A ± 10% @ 480VAC | 120A ± 10% @ 480VAC | 132A ± 10% @ 480VAC | 150A ± 10% @ 480VAC | 154A ± 10% @ 480VAC |
| Input Frequency | 50Hz / 60Hz | | | | | | | |
| Radiography Mode Output | | | | | | | | |
| kV Range | 40kV - 150kV, 1kV / Step | | | | | | | |
| kV accuracy | ± (5% of preset value + 1kV) | | | | | | | |
| Rise Time | < 1.5ms (10% - 90%) | | | | | | | |
| mA Range | 10mA - 400mA | 10mA - 500mA | 10mA - 630mA | 10mA - 800mA | 10mA - 800mA | 10mA - 800mA | 10mA - 1000mA | 10mA - 1000mA |
| mA Accuracy | ± 5% of preset value + 1mA | | | | | | | |
| ms Range | 1ms - 10000ms | | | | | | | |
| ms Accuracy | ± (10% of preset value + 1ms) | | | | | | | |
| mAs Range | 0.1mAs - 500mAs | 0.1mAs - 630mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs | 0.1mAs - 1250mAs |
| mAs Accuracy | ± (5% of preset value + 0.2mAs) | | | | | | | |
| Max. Output Power | 320mA / 100kV | 400mA / 100kV | 500mA / 100kV | 560mA / 100kV | 800mA / 80kV | 710mA / 100kV | 800mA / 100kV | 800mA / 103kV |
| Pulsed Fluoro Mode Output | | | | | | | | |
| Output kV Range | 40kV - 125kV, 1kV / Step | | | | | | | |
| Output kV Accuracy | ±10% of preset value | | | | | | | |
| Output mA Range | 5mA - 100mA | | | | | | | |
| Output mA Accuracy | ±20% of preset value | | | | | | | |
| Pulse Frequency | 30, 15, 7.5, 3, 1 @ 60Hz; 25, 12, 6, 3, 1 @ 50Hz | | | | | | | |
| Pulse width | 1ms - 40ms in 1ms step, up to 50% duty cycle | | | | | | | |
| Max. Average Power | 6, 7.5, 12, 15 fps, Max average Po: 1.2kW; 25, 30 fps Max average Po: 1kW | | | | | | | |
| Continuous Fluoro Mode Output | | | | | | | | |
| Output kV Range | 40kV - 125kV, 1kV / Step | | | | | | | |
| Output kV Accuracy | ± 5% of preset value + 1kV | | | | | | | |
| Output mA Range | 0.5mA - 20mA | | | | | | | |
| Output mA Accuracy | ± 20% of preset value | | | | | | | |
| Hardware | | | | | | | | |
| External Output Voltage | 24VDC ± 8% / 2A, 24VAC ± 10% / 6A, 110VAC ± 10% / 0.8A or 220VAC ± 10% / 0.8A | | | | | | | |
| Motor Starter | Dual Speed Auto Control | | | | | | | |
| Support Peripherals | AEC / DAP / DR | | | | | | | |
| Dimension | 654 mm* 352 mm* 491 mm (L*W*H) | | | | | | | |
| Weight | 75 kg | | | | | | | |
| Standard | | | | | | | | |
| Safety | IEC 60601-1 2nd edition, IEC 60601-1 3.1rd edition and IEC 60601-1 3.2rd edition, IEC 60601-2-54 | | | | | | | |
| EMC | IEC 60601-1-2 4 th edition compliance | | | | | | | |

DMP-200 Series Generator

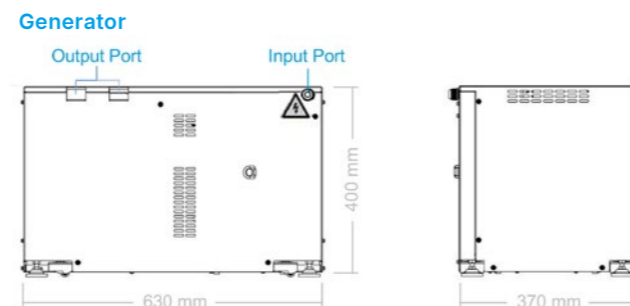


- Digital control circuit enhances performance and accuracy
- 450-kHz high frequency performance
- Flat design for low-bed applications
- Energy storage pack inside
- Universal 100–240 VAC input
- Connects to AEC / DAP peripherals
- External large capacitor bank (DMP-200 40kW)

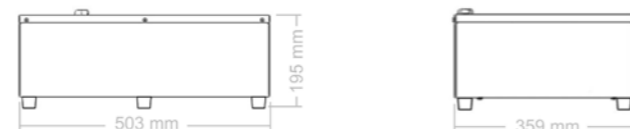
DMP-200 32kW



DMP-200 40kW

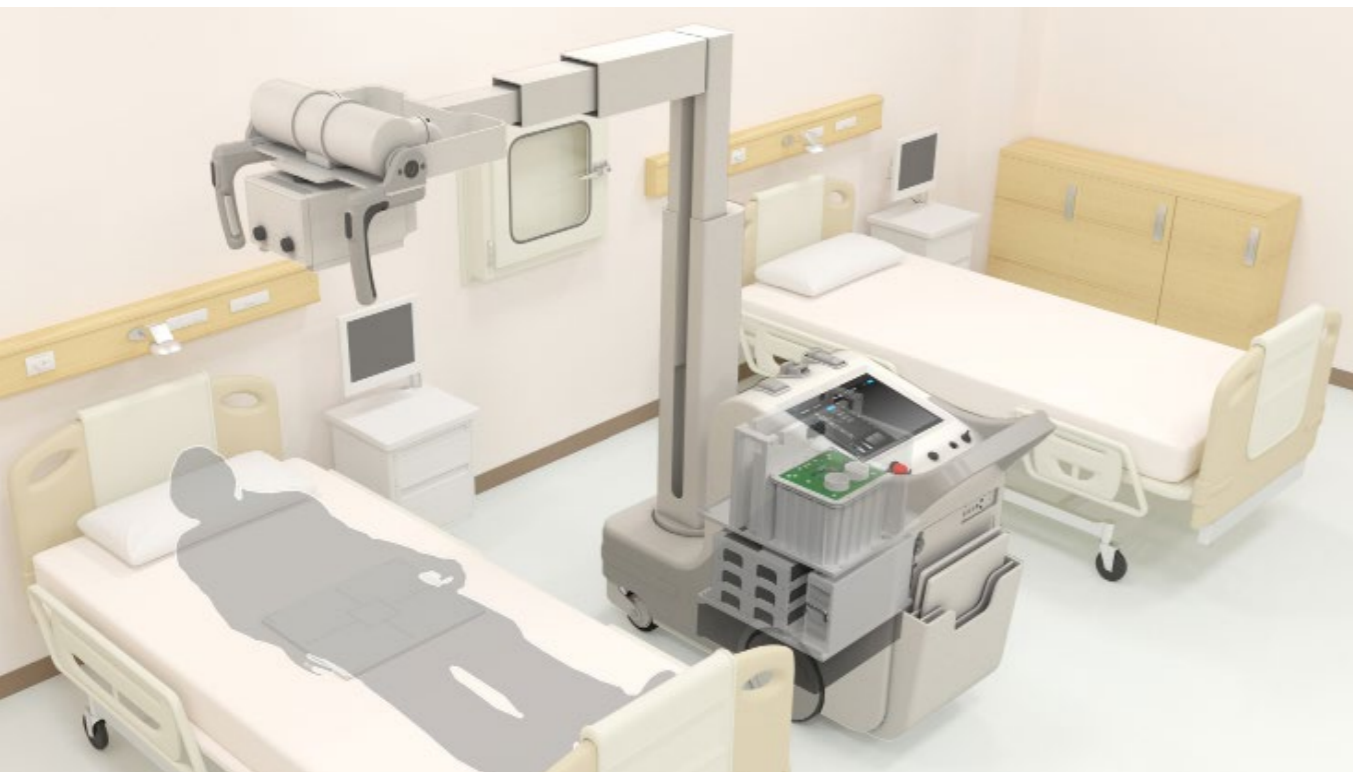


Capacitor Bank

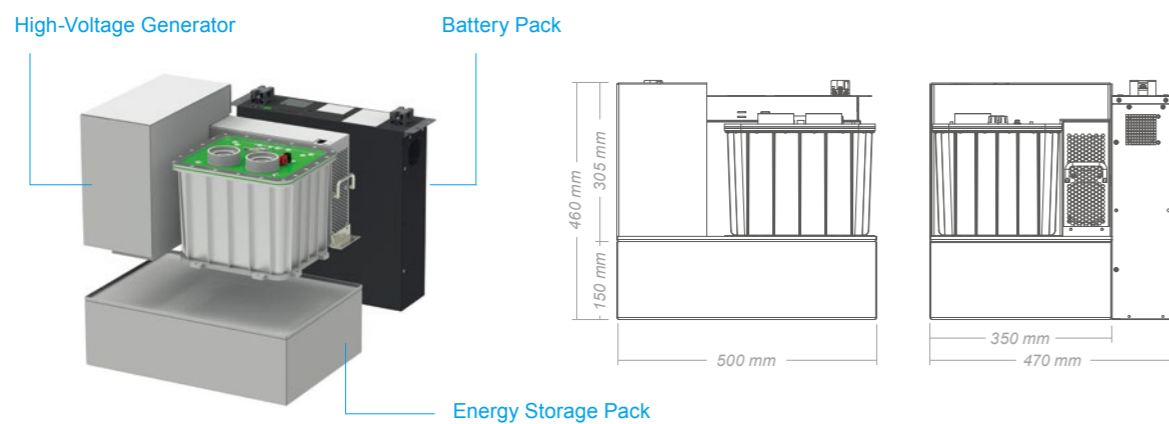


| DMP-200 | 32 kW | 40 kW |
|-------------------------------------|--|--|
| Input | | |
| Input Voltage | 100 VAC - 240 VAC 1Φ | |
| Input Current Range | 15 A - 10 A | |
| Input Frequency | 50 Hz / 60 Hz | |
| Output | | |
| kV Range | 40 kV – 150 kV, 1 kV / Step | |
| kV Accuracy | ± (5% of preset value + 1 kV) | |
| Rise Time | < 1.5 ms (10% - 90%) | |
| mA Range | 10 mA - 500 mA, R'20 | |
| mA Accuracy | +/- (5% of preset value + 1 mA) | |
| ms Range | 1 ms – 6300 ms, R'20 | |
| ms Accuracy | ± (10% of preset value + 1 ms) | |
| mAs | 42 kV / 100 mAs, 125 kV / 32 mAs, 32 kW / 100 ms max, R'20 | 140 mAs (40 kW), 280 mAs max, R'20 |
| mAs Accuracy | ± (5% of preset value + 0.2 mAs) | ± (5% of preset value + 0.2 mAs) |
| Initial Charging Time | 9 sec | 35 sec |
| Recharge Time after Max. mAs Output | 5 sec | 18 sec |
| Max. Output Power | 320 mA / 100 kV | 400 mA / 100 kV |
| Hardware | | |
| External Output Voltage | 24 VDC / 2 A, 24 AC / 6 A, 110 VAC / 2 A or 220 VAC / 1 A | 24 VDC / 2 A, 24 VAC / 6 A, 110 VAC / 2 A or 220 VAC / 1 A |
| Motor Starter | Dual Speed Auto Control | Dual Speed Auto Control |
| Support Peripherals | AEC / DAP, Optional | AEC / DAP, Optional |
| Capacitance | 60 mF | 228 mF |
| Dimension (W x H x D) | 630 mm x 400 mm x 370 mm | Generator: 630 mm x 370 mm x 400 mm Capacitor Bank : 503 mm x 359 mm x 195 mm |
| Weight | 60 kg | Generator: 60 kg Capacitor Bank: 25.5 kg |
| Console | Optional, APR: 192 Preset for User Programmable | |
| Standard | | |
| Safety | IEC 60601-1 2nd edition, IEC 60601-1 3.1rd edition and IEC 60601-1 3.2rd edition, IEC 60601-2-54 | |
| EMC | IEC 60601-1-2 4 th edition compliance | |
| Certificate | CB | |

DMP-300 Series Generator



- 50kW output reduces exposure time for higher-quality images
- High-capacity 3U-NCM Li-based battery extends operation time
- 12/24/105 VDC auxiliary power simplifies system integration
- Digital control circuit enhances performance and accuracy
- Built-in energy storage system extends the battery life



| DMP-300 | 32 kW | 40 kW | 50 kW |
|-------------------------------|---|--------------------------|---|
| Input | | | |
| Input Voltage | 40 - 60 VDC, for Generator 100 VAC - 240 VAC 1Φ, for Battery Charger | | |
| Input Current Range | 15 A - 10 A, for Battery Charger | | |
| Input Frequency | 50 Hz / 60 Hz, for Battery Charger | | |
| Output | | | |
| kV Range | 40 - 150 kV, 1 kV / Step | | |
| kV Accuracy | ± (5% of preset value + 1 kV) | | |
| Rise Time | < 1.5 ms (10% - 90%) | | |
| mA Range | 10 mA - 630 mA, R'20 | | |
| mA Accuracy | +/- (5% of preset value + 1 mA) | | |
| ms Range | 1 ms - 10000 ms, R'20 | | |
| ms Accuracy | ± (10% of preset value + 1 ms) | | |
| mAs Range | 0.1 mAs - 630 mAs @40kV, R'20 | | |
| mAs Accuracy | ± (5% of preset value + 0.2 mAs) | | |
| Max. Output Power | 320 mA / 100 kV / 160 ms | 400 mA / 100 kV / 125 ms | 500 mA / 100 kV / 100 ms 560 mA / 100 kV / 20 ms |
| Hardware | | | |
| Battery Charger | 52 VDC / 19A | | |
| Battery Pack | NA | NA | 3U-NCM Battery (48V, 50Ah) |
| Energy Storage Pack | 126 mF | | |
| External Output Voltage | 12 VDC / 14A, 24 VDC / 10A, 105 VDC / 5A | | |
| Motor Starter | Dual Speed | | |
| Support Peripherals | AEC / DAP, Optional | | |
| Dimension (L x W x H) | High-Voltage Generator: 500 mm x 352 mm x 305 mm Battery Pack: 460 mm x 430 mm x 120 mm Energy Storage Pack: 500 mm x 352 mm x 150 mm | | |
| Weight | High-Voltage Generator: 22.0 kg Battery Pack: 28.5 kg Energy Storage Pack: 18.5 kg | | |
| Standard | | | |
| Safety | IEC 60601-1 2nd edition, IEC 60601-1 3.1rd edition and IEC 60601-1 3.2rd edition, IEC 60601-2-54 | | |
| Electromagnetic Compatibility | IEC 60601-1-2 4 th edition compliance | | |



Delta Electronics, Inc.

16 Tungyuan Rd., Chungli Industrial Zone, Taoyuan

City 32063, Taiwan

TEL : +886 3 452 6107

E-mail : x.ray@deltaww.com

www.deltaww.com

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