

NEW

High Power DC Supply Up to 120kW

Space saving with 19.3-inch rack, 490min width!

REM series

- ▶ Output voltage: 1000V max
- ▶ Output current: 6000A max
- ▶ Output power: 120kW max

Slim size with 19.3-inch width

High power up to 120kW in a single rack

Reducing power consumption with 90% of high efficiency, with power factor improvement circuit (option) contributing to smaller power distribution facilities.



MADE IN
JAPAN



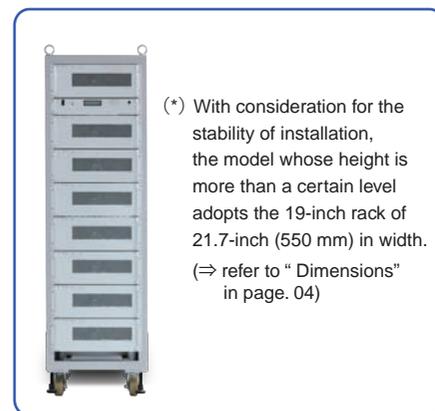
Large-capacity
DC power supply

REM series

Achieves High Power up to 120kW
in a Single Smart Rack



Only 19.3-inch (490mm) in width! (*)



(*) With consideration for the stability of installation, the model whose height is more than a certain level adopts the 19-inch rack of 21.7-inch (550 mm) in width. (⇒ refer to "Dimensions" in page. 04)

REM series is a large-capacity DC power supply ensuring safe for power output with 120 kW maximum power. If necessary, you can change the construction of the device so as to use as a smaller DC power supply in an effort to improve the capacity investment with higher efficiency.

Further, it is equipped with the LCD display that indicates the sum of output current and full protective circuits as standard functions, and strongly supports your R&D activities.

Main applications

[Electric Vehicle/Hybrid Electric Vehicle/Automotive equipment]

For Evaluation tests for Inverters, DC/DC converters, DC motors, Relays and Harness and so on

[Solar cells-related field]

For Evaluation tests for Power conditioners and Junction boxes and so on

[Others]

For Charging of secondary batteries, Evaluation tests for fuses, connectors and lamps, and various Electrolysis including Hydrogen production

Lineup

*1: The operation is checked only with each power supply device itself. No rated output operation is checked after the device is assembled.
*2: The number of power supply units *3: Predictive value *4: Typical value

| Max. output voltage (V) | Max. output current (A) | Max. output power (kW) *1 | Model | *2 | Ripple *3 (rms) | | Input current (A) *4 -LPfc option | |
|-------------------------|-------------------------|---------------------------|------------|----|-----------------|------|-----------------------------------|----------|
| | | | | | mVrms | Arms | not | equipped |
| 10 | 2000 | 20 | REM10-2000 | 2 | 50 | 9.6 | 99 | 71 |
| | 3000 | 30 | REM10-3000 | 3 | 60 | 14.4 | 144 | 106 |
| | 4000 | 40 | REM10-4000 | 4 | 70 | 19.2 | 189 | 141 |
| | 5000 | 50 | REM10-5000 | 5 | 80 | 24 | 234 | 176 |
| | 6000 | 60 | REM10-6000 | 6 | 100 | 28.8 | 279 | 211 |
| 15 | 1400 | 21 | REM15-1400 | 2 | 50 | 7 | 99 | 71 |
| | 2100 | 31.5 | REM15-2100 | 3 | 70 | 10.5 | 144 | 106 |
| | 2800 | 42 | REM15-2800 | 4 | 100 | 14 | 189 | 141 |
| | 3500 | 52.5 | REM15-3500 | 5 | 100 | 17.5 | 234 | 176 |
| | 4200 | 63 | REM15-4200 | 6 | 150 | 21 | 279 | 211 |
| | 4900 | 73.5 | REM15-4900 | 7 | 150 | 24.5 | 324 | 246 |
| | 5600 | 84 | REM15-5600 | 8 | 150 | 28 | 369 | 281 |

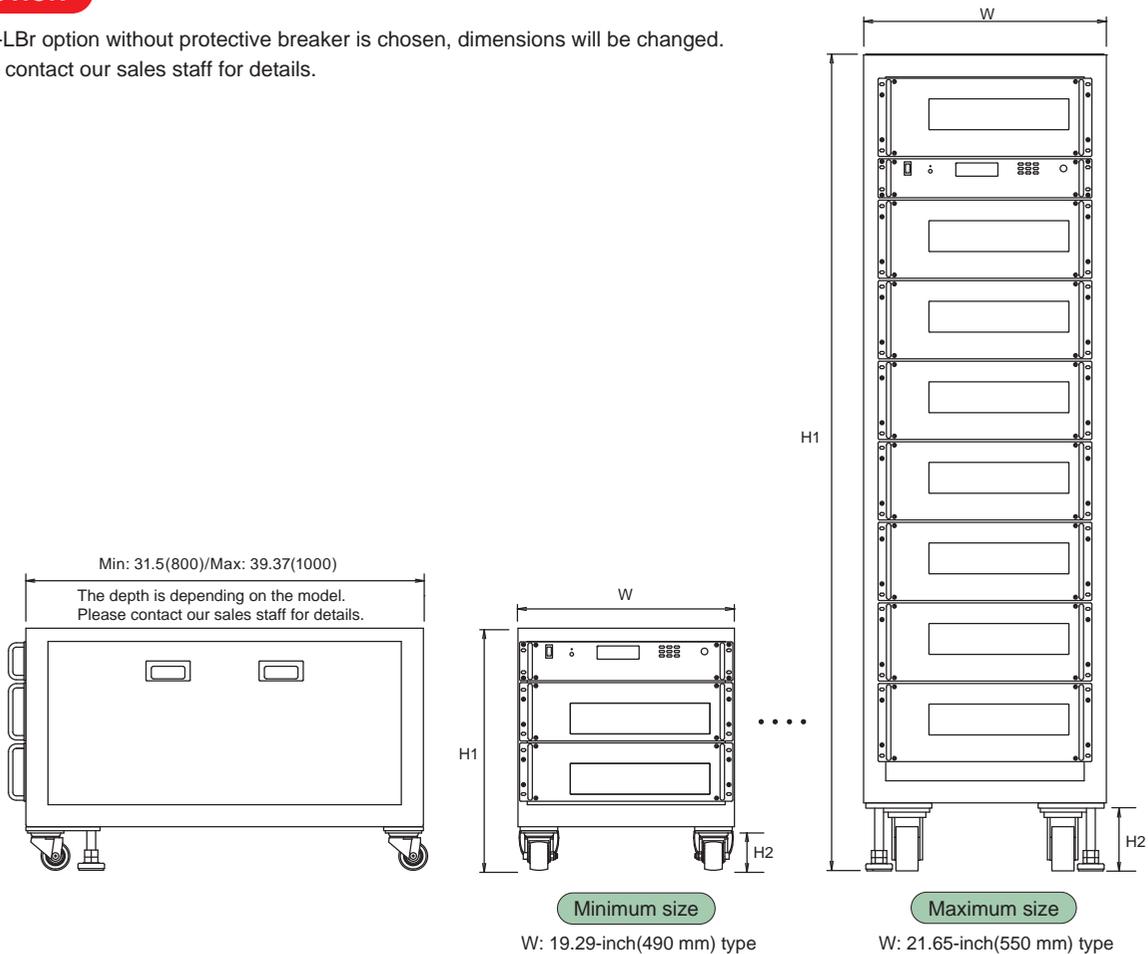
| Max. output voltage (V) | Max. output current (A) | Max. output power (kW) *1 | Model | *2 | Ripple *3 (rms) | | Input current (A)*4 | |
|-------------------------|-------------------------|---------------------------|--------------|-------------|-----------------|------|---------------------|----------|
| | | | | | mVrms | Arms | -LPfc option | |
| | | | | | | | not | equipped |
| 20 | 1200 | 24 | REM20-1200 | 2 | 50 | 4.8 | 108 | 80 |
| | 1800 | 36 | REM20-1800 | 3 | 70 | 7.2 | 162 | 119 |
| | 2400 | 48 | REM20-2400 | 4 | 100 | 9.6 | 216 | 159 |
| | 3000 | 60 | REM20-3000 | 5 | 150 | 12 | 270 | 198 |
| | 3600 | 72 | REM20-3600 | 6 | 200 | 14.4 | 324 | 238 |
| | 4200 | 84 | REM20-4200 | 7 | 200 | 16.8 | 378 | 278 |
| | 4800 | 96 | REM20-4800 | 8 | 200 | 19.2 | 432 | 317 |
| 30 | 800 | 24 | REM30-800 | 2 | 50 | 1.6 | 108 | 80 |
| | 1200 | 36 | REM30-1200 | 3 | 70 | 2.4 | 162 | 119 |
| | 1600 | 48 | REM30-1600 | 4 | 100 | 3.2 | 216 | 159 |
| | 2000 | 60 | REM30-2000 | 5 | 150 | 4 | 270 | 198 |
| | 2400 | 72 | REM30-2400 | 6 | 200 | 4.8 | 324 | 238 |
| | 2800 | 84 | REM30-2800 | 7 | 250 | 5.6 | 378 | 278 |
| | 3200 | 96 | REM30-3200 | 8 | 250 | 6.4 | 432 | 317 |
| 35 | 680 | 24 | REM35-680 | 2 | 50 | 4.8 | 108 | 80 |
| | 1020 | 36 | REM35-1020 | 3 | 70 | 7.2 | 162 | 119 |
| | 1360 | 48 | REM35-1360 | 4 | 100 | 9.6 | 216 | 159 |
| | 1700 | 59.5 | REM35-1700 | 5 | 150 | 12 | 270 | 198 |
| | 2040 | 71 | REM35-2040 | 6 | 200 | 14.4 | 324 | 238 |
| | 2380 | 84 | REM35-2380 | 7 | 250 | 16.8 | 378 | 278 |
| | 2720 | 96 | REM35-2720 | 8 | 250 | 19.2 | 432 | 317 |
| 45 | 520 | 23 | REM45-520 | 2 | 70 | 2.6 | 108 | 80 |
| | 780 | 35 | REM45-780 | 3 | 100 | 3.9 | 162 | 119 |
| | 1040 | 47 | REM45-1040 | 4 | 150 | 5.2 | 216 | 159 |
| | 1300 | 58.5 | REM45-1300 | 5 | 200 | 6.5 | 270 | 198 |
| | 1560 | 70 | REM45-1560 | 6 | 200 | 7.8 | 324 | 238 |
| | 1820 | 82 | REM45-1820 | 7 | 250 | 9.1 | 378 | 278 |
| | 2080 | 94 | REM45-2080 | 8 | 250 | 10.4 | 432 | 317 |
| 60 | 440 | 26.4 | REM60-440 | 2 | 50 | 1 | 122 | 90 |
| | 660 | 39.6 | REM60-660 | 3 | 70 | 1.5 | 183 | 135 |
| | 880 | 52.8 | REM60-880 | 4 | 80 | 2 | 243 | 180 |
| | 1100 | 66 | REM60-1100 | 5 | 90 | 2.5 | 305 | 225 |
| | 1320 | 79.2 | REM60-1320 | 6 | 100 | 3 | 365 | 270 |
| | 1540 | 92.4 | REM60-1540 | 7 | 150 | 3.5 | 426 | 315 |
| | 1760 | 105.6 | REM60-1760 | 8 | 150 | 4 | 486 | 360 |
| 80 | 300 | 24 | REM80-300 | 2 | 120 | 2 | 108 | 80 |
| | 450 | 36 | REM80-450 | 3 | 150 | 3 | 162 | 119 |
| | 600 | 48 | REM80-600 | 4 | 180 | 4 | 216 | 159 |
| | 750 | 60 | REM80-750 | 5 | 200 | 5 | 270 | 198 |
| | 900 | 72 | REM80-900 | 6 | 250 | 6 | 324 | 238 |
| | 1050 | 84 | REM80-1050 | 7 | 250 | 7 | 378 | 278 |
| | 1200 | 96 | REM80-1200 | 8 | 250 | 8 | 432 | 317 |
| 90 | 300 | 27 | REM90-300 | 2 | 120 | 2 | 122 | 90 |
| | 450 | 40.5 | REM90-450 | 3 | 150 | 3 | 183 | 135 |
| | 600 | 54 | REM90-600 | 4 | 180 | 4 | 243 | 180 |
| | 750 | 67.5 | REM90-750 | 5 | 200 | 5 | 305 | 225 |
| | 900 | 81 | REM90-900 | 6 | 250 | 6 | 365 | 270 |
| | 1050 | 94.5 | REM90-1050 | 7 | 250 | 7 | 426 | 315 |
| | 1200 | 108 | REM90-1200 | 8 | 250 | 8 | 486 | 360 |
| 100 | 300 | 30 | REM100-300 | 2 | 120 | 2 | 135 | 99 |
| | 450 | 45 | REM100-450 | 3 | 150 | 3 | 203 | 149 |
| | 600 | 60 | REM100-600 | 4 | 180 | 4 | 270 | 198 |
| | 750 | 75 | REM100-750 | 5 | 200 | 5 | 338 | 248 |
| | 900 | 90 | REM100-900 | 6 | 250 | 6 | 405 | 297 |
| | 1050 | 105 | REM100-1050 | 7 | 250 | 7 | 473 | 347 |
| | 1200 | 120 | REM100-1200 | 8 | 250 | 8 | 540 | 396 |
| 110 | 272 | 30 | REM110-272 | 2 | 150 | 0.4 | 135 | 99 |
| | 408 | 44.8 | REM110-408 | 3 | 200 | 0.6 | 203 | 149 |
| | 544 | 59.8 | REM110-544 | 4 | 250 | 0.8 | 270 | 198 |
| | 680 | 74.8 | REM110-680 | 5 | 300 | 1 | 338 | 248 |
| | 816 | 89.7 | REM110-816 | 6 | 350 | 1.2 | 405 | 297 |
| | 952 | 104.7 | REM110-952 | 7 | 400 | 1.4 | 473 | 347 |
| | 1088 | 120 | REM110-1088 | 8 | 450 | 1.6 | 540 | 396 |
| 120 | 250 | 30 | REM120-250 | 2 | 150 | 0.4 | 135 | 99 |
| | 375 | 45 | REM120-375 | 3 | 200 | 0.6 | 203 | 149 |
| | 500 | 60 | REM120-500 | 4 | 250 | 0.8 | 270 | 198 |
| | 625 | 75 | REM120-625 | 5 | 300 | 1 | 338 | 248 |
| | 750 | 90 | REM120-750 | 6 | 350 | 1.2 | 405 | 297 |
| | 875 | 105 | REM120-875 | 7 | 400 | 1.4 | 473 | 347 |
| | 1000 | 120 | REM120-1000 | 8 | 450 | 1.6 | 540 | 396 |
| | 150 | 200 | 30 | REM150-200 | 2 | 150 | 0.4 | 135 |
| 300 | | 45 | REM150-300 | 3 | 200 | 0.6 | 203 | 149 |
| 400 | | 60 | REM150-400 | 4 | 250 | 0.8 | 270 | 198 |
| 500 | | 75 | REM150-500 | 5 | 300 | 1 | 338 | 248 |
| 600 | | 90 | REM150-600 | 6 | 350 | 1.2 | 405 | 297 |
| 700 | | 105 | REM150-700 | 7 | 400 | 1.4 | 473 | 347 |
| 800 | | 120 | REM150-800 | 8 | 450 | 1.6 | 540 | 396 |
| 200 | | 150 | 30 | REM200-150 | 2 | 250 | 1.06 | 135 |
| | 225 | 45 | REM200-225 | 3 | 300 | 1.59 | 203 | 149 |
| | 300 | 60 | REM200-300 | 4 | 350 | 2.12 | 270 | 198 |
| | 375 | 75 | REM200-375 | 5 | 400 | 2.65 | 338 | 248 |
| | 450 | 90 | REM200-450 | 6 | 450 | 3.18 | 405 | 297 |
| | 525 | 105 | REM200-525 | 7 | 500 | 3.71 | 473 | 347 |
| | 600 | 120 | REM200-600 | 8 | 550 | 4.24 | 540 | 396 |
| | 300 | 100 | 30 | REM300-100 | 2 | 200 | 0.2 | 135 |
| 150 | | 45 | REM300-150 | 3 | 250 | 0.3 | 203 | 149 |
| 200 | | 60 | REM300-200 | 4 | 300 | 0.4 | 270 | 198 |
| 250 | | 75 | REM300-250 | 5 | 350 | 0.5 | 338 | 248 |
| 300 | | 90 | REM300-300 | 6 | 400 | 0.6 | 405 | 297 |
| 350 | | 105 | REM300-350 | 7 | 450 | 0.7 | 473 | 347 |
| 400 | | 120 | REM300-400 | 8 | 500 | 0.8 | 540 | 396 |
| 350 | | 84 | 29 | REM350-84 | 2 | 200 | 0.2 | 135 |
| | 126 | 44 | REM350-126 | 3 | 250 | 0.3 | 203 | 149 |
| | 168 | 59 | REM350-168 | 4 | 300 | 0.4 | 270 | 198 |
| | 210 | 73.5 | REM350-210 | 5 | 350 | 0.5 | 338 | 248 |
| | 252 | 88 | REM350-252 | 6 | 400 | 0.6 | 405 | 297 |
| | 294 | 103 | REM350-294 | 7 | 450 | 0.7 | 473 | 347 |
| | 336 | 118 | REM350-336 | 8 | 500 | 0.8 | 540 | 396 |
| | 500 | 60 | 30 | REM500-60 | 2 | 250 | 0.2 | 135 |
| 90 | | 45 | REM500-90 | 3 | 300 | 0.3 | 203 | 149 |
| 120 | | 60 | REM500-120 | 4 | 350 | 0.4 | 270 | 198 |
| 150 | | 75 | REM500-150 | 5 | 400 | 0.5 | 338 | 248 |
| 180 | | 90 | REM500-180 | 6 | 450 | 0.6 | 405 | 297 |
| 210 | | 105 | REM500-210 | 7 | 500 | 0.7 | 473 | 347 |
| 240 | | 120 | REM500-240 | 8 | 550 | 0.8 | 540 | 396 |
| 600 | | 50 | 30 | REM600-50 | 2 | 200 | 0.1 | 135 |
| | 75 | 45 | REM600-75 | 3 | 250 | 0.15 | 203 | 149 |
| | 100 | 60 | REM600-100 | 4 | 300 | 0.2 | 270 | 198 |
| | 125 | 75 | REM600-125 | 5 | 350 | 0.25 | 338 | 248 |
| | 150 | 90 | REM600-150 | 6 | 400 | 0.3 | 405 | 297 |
| | 175 | 105 | REM600-175 | 7 | 450 | 0.35 | 473 | 347 |
| | 200 | 120 | REM600-200 | 8 | 500 | 0.4 | 540 | 396 |
| | 650 | 46 | 30 | REM650-46 | 2 | 350 | 0.2 | 135 |
| 69 | | 45 | REM650-69 | 3 | 400 | 0.3 | 203 | 149 |
| 92 | | 60 | REM650-92 | 4 | 450 | 0.4 | 270 | 198 |
| 115 | | 75 | REM650-115 | 5 | 500 | 0.5 | 338 | 248 |
| 138 | | 90 | REM650-138 | 6 | 550 | 0.6 | 405 | 297 |
| 161 | | 105 | REM650-161 | 7 | 600 | 0.7 | 473 | 347 |
| 184 | | 120 | REM650-184 | 8 | 650 | 0.8 | 540 | 396 |
| 1000 | | 30 | 30 | REM1000*-30 | 2 | 500 | 0.6 | 135 |
| | 45 | 45 | REM1000*-45 | 3 | 600 | 0.9 | 203 | 149 |
| | 60 | 60 | REM1000*-60 | 4 | 800 | 1.2 | 270 | 198 |
| | 75 | 75 | REM1000*-75 | 5 | 1000 | 1.5 | 338 | 248 |
| | 90 | 90 | REM1000*-90 | 6 | 1100 | 1.8 | 405 | 297 |
| | 105 | 105 | REM1000*-105 | 7 | 1200 | 2.1 | 473 | 347 |
| | 120 | 120 | REM1000*-120 | 8 | 1300 | 2.4 | 540 | 396 |

All the lineup models are to be housed in a single dedicated 19-inch rack. (See page 04 for dimensions and other information.) * P: Positive output * N: Negative output
 Extendable up to 360 kW, the device is suitable for larger power operation.
 However, note the following points for extension:
 ■ Extension is allowed only with the same model. ■ You must be responsible for wiring or other operations for extension.
 ■ You might have to allocate space for mounting additional racks. Prior to extension, please contact our sales staff concerning the total number of racks.
 ■ Both input and output is made for each rack regardless of the number of racks used. A breaker is mounted on each rack when the -LBr option is selected (see page 06). Breakers cannot be integrated.

Dimensions inch (mm)

CAUTION

When -LBr option without protective breaker is chosen, dimensions will be changed.
Please contact our sales staff for details.



| Number of power supplies | W inch(mm) | | H1 inch(mm) | | H2 inch(mm) | | Weight (approx. kg) | | | |
|--------------------------|--------------|------------|--------------|-------------|--------------|-----------|---------------------|------|---------------------|------|
| | -LPfc option | | -LPfc option | | -LPfc option | | 10 to 20 V models | | 30 V to 1 kV models | |
| | without | with | without | with | without | with | -LPfc option | | -LPfc option | |
| | | | | | | | without | with | without | with |
| 2 | 19.29(490) | 19.29(490) | 21.65(550) | 25.59(650) | 3.54(90) | 3.54(90) | 160 | 180 | 130 | 150 |
| 3 | 19.29(490) | 19.29(490) | 27.17(690) | 32.68(830) | 3.54(90) | 3.54(90) | 220 | 250 | 160 | 190 |
| 4 | 19.29(490) | 19.29(490) | 32.68(830) | 41.34(1050) | 3.54(90) | 3.54(90) | 270 | 310 | 210 | 260 |
| 5 | 19.29(490) | 19.29(490) | 38.19(970) | 47.24(1200) | 3.54(90) | 3.54(90) | 330 | 380 | 250 | 300 |
| 6 | 19.29(490) | 19.29(490) | 43.70(1110) | 54.72(1390) | 3.54(90) | 3.54(90) | 360 | 420 | 300 | 360 |
| 7 | 19.29(490) | 21.65(550) | 49.21(1250) | 64.96(1650) | 3.54(90) | 5.51(140) | 400 | 530 | 330 | 460 |
| 8 | 19.29(490) | 21.65(550) | 54.72(1390) | 72.83(1850) | 3.54(90) | 5.51(140) | 440 | 580 | 360 | 500 |

For the models without the -LBr option, the power supply unit section stands by for output at the time when power is fed from the AC line and starts output in response to the output control signal from the controller section. The controller section is not activated only by power feeding from the AC line but stands by after the POWER switch on the front panel is pressed.
The dimensions of the power supply which is put into the rack are different depending on selecting -LPfc option.

[Attention]

- Both types are forcedly air-cooled. Make sure to allocate space of 30 cm or wider in front and at the back of the system rack.
- The screws of the input part are shown at right description. ⇒ Input current ≤ 240 A: M10, 245 to 385 A: M12, ≥ 390 A: M16
- The screws at the output part of both types vary by specifications. Contact our sales staff for details.
- As a preventive measure against falling, it is possible to fix REM series to a wall using eyebolts (optional). However, it does not necessarily guarantee for fall prevention. Please judge yourself whether preventive measures against falling are necessary or what measures should be taken.

Specifications of system

| | |
|------------------------------|---|
| Input voltage | 220 Vac \pm 10%, 50 or 60 Hz, three-phase |
| Operating temperature | 0 to 40°C |
| Storage temperature | -20 to 70°C |
| Storage humidity | 20 to 80%RH (no condensation) |
| Accessory | Instruction manual |

Specifications of Power Supply Unit

| | |
|--------------------------------|--|
| Voltage regulation | Line : 0.1% of max. output (against fluctuation by AC \pm 10%) Load: 0.2% of max. output (against load fluctuation by 10 to 100%) |
| Current regulation | Line : 0.1% of max. output (against fluctuation by AC \pm 10%) Load: 0.2% of max. output (against load fluctuation by 10 to 100%) |
| Stability | 0.05% of max. output voltage per 8 hours |
| Temperature coefficient | 0.02%/°C of max. output voltage 0.03%/°C of max. output current |
| Withstand voltage | Between input power source and output terminal, between input power source and chassis 1500 Vac for a minute |

Power Supply Controller Specifications

| | |
|------------------------|---|
| Output control | Output voltage: Setting with front rotary encoder (with preset functions) Output current: Setting with front rotary encoder (with preset functions) |
| Output display | Output voltage: 4-digit digital meter (accuracy: 1%FS \pm 1 dgt) Output current: 4-digit digital meter (accuracy: 1%FS \pm 1 dgt) Sum of the current from all connected power supplies units is displayed. |
| Protections | Overvoltage protection (OVP) Cut off at the set value Setting range: 5 to 110% of output voltage Setting with front rotary encoder Over temperature protection (OTP) Cut off output at the time of internal anomalous heating Reset (after decreasing to the normal temperature): Automatic recovery or manual recovery with the POWER switch (switchable) Input voltage drop (ACF) and power failure protection Cut off output when input voltage drops by 20% or more Reset (at normal voltage or after recovery from power failure): Manual recovery with the OUTPUT switch at the time of power failure protection (re-output protecting function) Automatic recovery when blackout protection is cancelled |
| Other functions | Output : ON/OFF Memory function (10 memories) Front panel lock function |

Analog remote control is included as the standard equipment

Remote switch ON/OFF

Turns ON/OFF output by the external relay or TTL

Output voltage/current control

External control output of 0 to 10 Vdc/max. output, or External variable resistance of 0 to 10 k Ω /max. output

* The max. response time from control voltage input to the actual outputs is 2 seconds.

Output voltage/current monitor

0 to 10 Vdc/max. output

Status signal output

OUTPUT, CV, CC, Trouble

Options

- LPfc** Power factor correction circuit *1
- LEb** Eyebolt Four eyebolts are attached to the top side. It enables you to move REM series by using cranes and so on.
- LBr** Protective breaker *2 Each rack is equipped with one protective breaker.
- LGob** Optical Interface Board *3
 - LGob** Optical Interface Board + optical cable 2 m
 - LGob(Fc5)** Optical Interface Board + optical cable 5 m
 - LGob(Fc10)** Optical Interface Board + optical cable 10 m
 - LGob(Fc20)** Optical Interface Board + optical cable 20 m
 - LGob(Fc40)** Optical Interface Board + optical cable 40 m

It is isolated by optical communication. It makes it possible to prevent malfunction caused by transient phenomenon such as surge, induced lightning, and external noise due to perfectly isolated by optical fiber.
- LEt** Ethernet Interface Board *3 Enable digital control via Ethernet
- LUs1** USB Interface Board *3 Enable digital control via USB
 - Corresponding OS: Microsoft Windows XP/Vista/7/8/10
 - (All can correspond to both the 32-bit version and the 64-bit version.)
 - (Microsoft and Windows are registered trademarks of Microsoft Corporation.)
- LGb** GPIB Interface board *3
- L(400V)** Input Voltage 400 Vac $\pm 10\%$ (available soon)
- LPp** Preventive covers for operational errors The U-shaped covers are attached to both the upper and lower parts respectively of the OUTPUT switch on the power supply controller.

- *1 The dimensions and weight of the whole unit will change. Please refer to page 04.
- *2 The dimensions and weight of the whole unit will change. Please contact our sales staff for details.
- *3 The controller for power supplies has the interface port on the rear panel. These options cannot be chosen together. Need to be chosen either one.

How to Order

When ordering, suffix the above option number to the model number.
 <e.g.> REM10-2000-LBrEbEtPfc(400V), in order of alphabets and numbers

Besides, a single power supply equipped with REM series is available. To order, please specify the code as follows.

RE(1)-(2)-LGob(3)-BP

- (1): Voltage (of REM)
- (2): Current (the REM current divided by the number of the units)
- (3): Pfc.....using for power factor improvement circuit
400 V.....for AC input voltage 400 V

Sample model number to order: RE-10-1000-LGobPfc(400V)-BP

*Accessories including Instruction Manual or two-meter optical cables are not included.

Accessory

➤ Base plate for anchor bolt (made of stainless steel) with 2 pieces in a set

inch (mm)

Model: RAC-AMF

| Width of a rack | Attached number |
|-----------------|-----------------|
| 19.29(490) | 2 (a set) |
| 21.65(550) | 4 (two sets) |

Introduction of other product

Please contact our sales staff for detailed catalog of each models.

Regenerative DC power supply

PBR series



Next-generation model with high power and wide output range up to 15kW in a 19-inch, 3U rack

| Power running or Regeneration at Maximum | |
|--|-----------------|
| Output voltage | 80 Vdc, 500 Vdc |
| Output current | 100 to 360 A |
| Output power | 10 kW, 15 kW |

[Main Applications]

- Evaluation of such automotive components as inverters and capacitors (PCU, ECU, etc.)
- Evaluation motors and generators
- Charge/discharge testing of rechargeable batteries and capacitors (as option)
- ▶ Bidirectional operation designed for DC power supplies as well as DC electric loads and also providing regenerative function.
- ▶ Easy front panel operation enables the sequence setting and the operation logging
- ▶ Output expansion available with parallel connections

High Power DC Turbo Power Supply

PRT series



Achieves voltage/current output that is three times higher than previous DC power supplies within the range of 15 kW

| | |
|---------------------|--------------------|
| Max. output voltage | 80 to 1500 V |
| Max. output current | 30 to 510 A |
| Max. output power | 5 kW, 10 kW, 15 kW |

- ▶ Expansion up to 150 kW is possible by increasing the output current with parallel connections
- ▶ Various types of sequence control settings and operation are possible using just the device without a PC
- ▶ Supports simulation of various rechargeable batteries with variable internal resistance function

Four-quadrant fast response Bi-polar Power Supply

DOP series

High power and high speed response



| | |
|---------------------|------------------------|
| Max. output voltage | ± 5 to ± 300 V |
| Max. output current | ± 1 to ± 200 A |
| Max. output power | 150 W to 2 kW |

- ▶ It is a four-quadrant bi-polar power supply which source and sink electric power
- ▶ It is the most appropriate for transient response test with such high power and broad bandwidth
- ▶ With a detailed output voltage lineup of 40 or more, an optimum one suitable for the application

High power, Versatile Programmable DC power supply

REK/REKJ series



“Compact” “High power” “Multi-function” DC programmable power supply with superior operability

| | |
|---------------------|----------------|
| Max. output voltage | 6 to 1500 V |
| Max. output current | 1.0 to 1200 A |
| Max. output power | 770 W to 15 kW |

- ▶ It achieves high power maximum 2.5 kW by 1U (1.73-inch/44 mm) height, maximum 5.5 kW by 2U (3.5-inch/89 mm) height, maximum 15.3 kW by 3U (5.24-inch/133 mm) height.
- ▶ With low noise switching method and worldwide input, it can be used anywhere in the world.
- ▶ It has standard built-in digital interface such as LAN (Ethernet) and USB, which can help to establish automatic measuring system or production equipment.

