

FRONIUS IG PLUS TRANSFORMER INVERTER

/ The allrounder with maximum yield.

/ Fronius
MIX™concept/ HF transformer
switchover/ Fronius Module
Manager/ PC board replace-
ment concept

/ Mounting system



/ Ventilation concept



/ The Fronius IG Plus generation of inverters represents an evolution of the proven Fronius IG product family. Power categories from 2.6 to 12 kW promise suitability for every possible system size. With a maximum efficiency of 95.9 %, the Fronius IG Plus range achieves one of the highest values for transformer inverters.

TECHNICAL DATA: FRONIUS IG PLUS (25 V-1, 30 V-1, 35 V-1, 50 V-1, 55 V-1, 60 V-1)

| INPUT DATA | 25 V-1 | 30 V-1 | 35 V-1 | 50 V-1 | 55 V-1 | 60 V-1 |
|---|-------------|---------|---------|---------|---------|---------|
| DC maximum power at $\cos \varphi = 1$ | 2,740 W | 3,170 W | 3,710 W | 4,260 W | 5,260 W | 6,320 W |
| Max. input current ($I_{dc \max}$) | 11.9 A | 13.8 A | 16.2 A | 18.6 A | 22.9 A | 27.5 A |
| Max. array short circuit current | 17.9 A | 20.7 A | 24.3 A | 27.9 A | 34.4 A | 41.3 A |
| Min. input voltage ($U_{dc \min}$) | 230 V | | | | | |
| Feed-in start voltage ($U_{dc \text{ start}}$) | 260 V | | | | | |
| Nominal input voltage ($U_{dc,r}$) | 370 V | | | | | |
| Max. input voltage ($U_{dc \max}$) | 600 V | | | | | |
| MPP voltage range ($U_{mpp \min} - U_{mpp \max}$) | 230 – 500 V | | | | | |
| Number of DC inputs | 6 | | | | | |

| OUTPUT DATA | 25 V-1 | 30 V-1 | 35 V-1 | 50 V-1 | 55 V-1 | 60 V-1 |
|---|------------------------------------|----------|----------|----------|----------|----------|
| AC-Nennleistung ($P_{ac,r}$) | 2,600 W | 3,000 W | 3,500 W | 4,000 W | 5,000 W | 6,000 W |
| Max. output power | 2,600 VA | 3,000 VA | 3,500 VA | 4,000 VA | 5,000 VA | 6,000 VA |
| Max. output current ($I_{ac \max}$) | 11.3 A | 13.0 A | 15.2 A | 17.4 A | 21.7 A | 26.1 A |
| Grid connection ($U_{ac,r}$) | 1-NPE 230 V | | | | | |
| Min. output voltage ($U_{ac \min}$) | 180 V | | | | | |
| Max. output voltage ($U_{ac \max}$) | 270 V | | | | | |
| Frequency (f_r) | 50 Hz / 60 Hz | | | | | |
| Frequency range ($f_{\min} - f_{\max}$) | 46 – 65 Hz | | | | | |
| Distortion factor | < 3 % | | | | | |
| Power factor ($\cos \varphi_{ac,r}$) | 0.75 – 1 ind. / cap. ¹⁾ | | | | | |

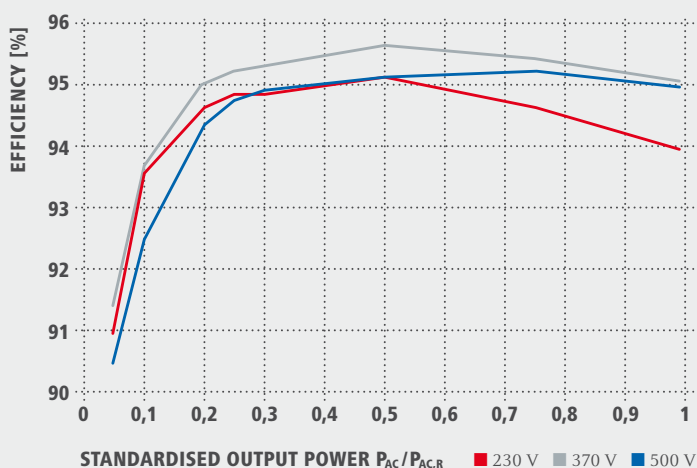
| GENERAL DATA | 25 V-1 | 30 V-1 | 35 V-1 | 50 V-1 | 55 V-1 | 60 V-1 |
|--|---|--------|--------|--------|--------------------|--------|
| Dimensions (height x width x depth) | 673 x 434 x 250 mm | | | | 968 x 434 x 250 mm | |
| Weight | 23.8 kg | | | | 36.9 kg | |
| Degree of protection | IP 54 ²⁾ | | | | | |
| Protection class | 1 | | | | | |
| Overvoltage category (DC / AC) | 2 / 3 | | | | | |
| Night-time consumption | ca. 1 W | | | | | |
| Inverter concept | HF transformer | | | | | |
| Cooling | Regulated air cooling | | | | | |
| Installation | Indoor and outdoor installation | | | | | |
| Ambient temperature range | from -20°C to +55°C | | | | | |
| Permitted humidity | 0 % to 95 % | | | | | |
| DC connection technology | Screw terminal connection 1.5 mm ² – 16 mm ² | | | | | |
| AC connection technology | Screw terminal connection 2.5 mm ² – 35 mm ² | | | | | |
| Certificates and compliance with standards | DIN V VDE V 0126-1-1, ÖVE / ÖNORM E 8001-4-712, UTE C15-712-1, EN 50438, G83, G59, C 10 / 11, CER 06-190, CEI 0-21, AS 4777-1, AS 4777-2, AS 4777-3, VDE AR N 4105, Generating systems on the medium-voltage network (BDEW) | | | | | |

Fronius IG Plus 25 V-1, Fronius IG Plus 55 V-1 and Fronius IG Plus 60 V-1 devices do not comply with the German medium-voltage directive. Further information regarding the availability of the inverters in your country can be found at www.fronius.com.

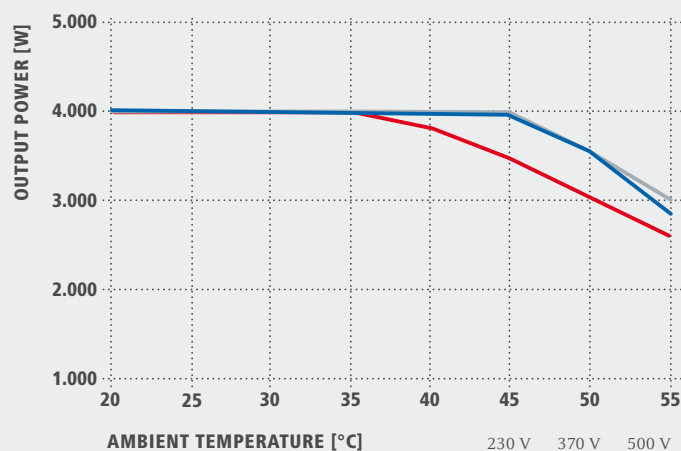
¹⁾ country-specific

²⁾ Please refer to the information in the operating instructions regarding correct installation of the inverter (e.g. IP 44 applies to Australia).

FRONIUS IG PLUS 50 V-1 EFFICIENCY CURVE



FRONIUS IG PLUS 50 V-1 TEMPERATURE DERATING



TECHNICAL DATA: FRONIUS IG PLUS (25 V-1, 30 V-1, 35 V-1, 50 V-1, 55 V-1, 60 V-1)

| EFFICIENCY | 25 V-1 | 30 V-1 | 35 V-1 | 50 V-1 | 55 V-1 | 60 V-1 |
|-------------------------------------|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| Max. efficiency | 95.7 % | 95.7 % | 95.7 % | 95.7 % | 95.7 % | 95.7 % |
| European efficiency (η_{EU}) | 94.6 % | 94.8 % | 95.0 % | 95.0 % | 94.9 % | 95.0 % |
| η at 5 % $P_{ac,r}^{1)}$ | 87.5 / 87.3 / 86.8 % | 87.9 / 87.6 / 87.2 % | 88.2 / 88.1 / 87.4 % | 88.7 / 88.6 / 88.2 % | 89.7 / 90.3 / 89.6 % | 90.2 / 91.0 / 90.0 % |
| η at 10 % $P_{ac,r}^{1)}$ | 89.7 / 89.8 / 89.4 % | 90.4 / 90.8 / 90.2 % | 91.6 / 92.3 / 91.5 % | 92.1 / 92.7 / 92.1 % | 91.4 / 91.8 / 90.8 % | 92.3 / 92.2 / 91.6 % |
| η at 20 % $P_{ac,r}^{1)}$ | 93.0 / 93.6 / 92.8 % | 93.6 / 94.2 / 93.2 % | 94.1 / 94.6 / 93.4 % | 94.4 / 94.7 / 93.5 % | 93.9 / 94.1 / 92.9 % | 94.6 / 94.5 / 93.7 % |
| η at 25 % $P_{ac,r}^{1)}$ | 93.8 / 94.3 / 93.3 % | 94.3 / 94.6 / 93.5 % | 94.6 / 94.8 / 93.7 % | 94.8 / 94.9 / 94.0 % | 94.4 / 94.6 / 93.6 % | 94.8 / 94.9 / 94.2 % |
| η at 30 % $P_{ac,r}^{1)}$ | 94.4 / 94.8 / 93.6 % | 94.7 / 94.9 / 93.8 % | 94.9 / 95.0 / 94.1 % | 95.1 / 95.2 / 94.5 % | 94.6 / 94.6 / 94.0 % | 95.0 / 95.2 / 94.7 % |
| η at 50 % $P_{ac,r}^{1)}$ | 95.2 / 95.4 / 94.7 % | 95.2 / 95.5 / 94.9 % | 95.3 / 95.7 / 95.3 % | 95.2 / 95.7 / 95.3 % | 94.9 / 95.5 / 94.7 % | 95.3 / 95.5 / 94.9 % |
| η at 75 % $P_{ac,r}^{1)}$ | 95.2 / 95.7 / 95.3 % | 95.1 / 95.7 / 95.4 % | 94.9 / 95.6 / 95.4 % | 94.7 / 95.5 / 95.4 % | 95.0 / 95.6 / 94.9 % | 95.1 / 95.7 / 95.3 % |
| η at 100 % $P_{ac,r}^{1)}$ | 94.9 / 95.6 / 95.4 % | 94.7 / 95.5 / 95.4 % | 94.4 / 95.2 / 95.1 % | 94.0 / 95.0 / 95.0 % | 95.1 / 95.7 / 95.2 % | 94.7 / 95.5 / 95.3 % |
| MPP adaptation efficiency | > 99.9% | | | | | |
| PROTECTIVE EQUIPMENT | 25 V-1 | 30 V-1 | 35 V-1 | 50 V-1 | 55 V-1 | 60 V-1 |
| DC insulation measurement | Warning/shutdown (depending on country setup) at $R_{ISO} < 600 \text{ kOhm}$ | | | | | |
| Overload behaviour | Operating point shift, power limitation | | | | | |
| DC circuit breaker | Integrated | | | | | |

Fronius IG Plus 25 V-1, Fronius IG Plus 55 V-1 and Fronius IG Plus 60 V-1 devices do not comply with the German medium-voltage directive. Further information regarding the availability of the inverters in your country can be found at www.fronius.com.

¹⁾ and at $U_{mpp \text{ min}} / U_{dc,r} / U_{mpp \text{ max}}$.

TECHNICAL DATA: FRONIUS IG PLUS (55 V-2, 60 V-2, 70 V-2, 100 V-2)

| INPUT DATA | 55 V-2 | 60 V-2 | 70 V-2 | 100 V-2 |
|---|---|----------|---|-------------------------------|
| DC maximum power at $\cos \varphi = 1$ | 5,260 W | 6,320 W | 6,880 W | 8,520 W |
| Max. input current ($I_{dc \max}$) | 22.9 A | 27.5 A | 30.0 A | 37.1 A |
| Max. array short circuit current | 34.4 A | 41.3 A | 45.0 A | 55.7 A |
| Min. input voltage ($U_{dc \min}$) | 230 V | | | |
| Feed-in start voltage ($U_{dc \text{ start}}$) | 260 V | | | |
| Nominal input voltage ($U_{dc \text{ r}}$) | 370 V | | | |
| Max. input voltage ($U_{dc \max}$) | 600 V | | | |
| MPP voltage range ($U_{mpp \min} - U_{mpp \max}$) | 230 – 500 V | | | |
| Number of DC inputs | 6 | | | |
| OUTPUT DATA | 55 V-2 | 60 V-2 | 70 V-2 | 100 V-2 |
| AC nominal output ($P_{ac \text{ r}}$) | 5,000 W | 6,000 W | 6,500 W | 8,000 W |
| Max. output power | 5,000 VA | 6,000 VA | 6,500 VA | 8,000 VA |
| Max. output current ($I_{ac \max}$) | 10.9 A | 13.0 A | 14.1 A (28.3 A) ¹⁾ | 17.4 A (34.8 A) ¹⁾ |
| Grid connection ($U_{ac \text{ r}}$) | 2-NPE 400 V / 230 V | | 2-NPE 400 V / 230 V (1-NPE 230 V) ¹⁾ | |
| Min. output voltage ($U_{ac \min}$) | 180 V | | | |
| Max. output voltage ($U_{ac \max}$) | 270 V | | | |
| Frequency (f_r) | 50 Hz / 60 Hz | | | |
| Frequency range ($f_{\min} - f_{\max}$) | 46 – 65 Hz | | | |
| Distortion factor | < 3 % | | | |
| Power factor ($\cos \varphi_{ac \text{ r}}$) | 0.75 – 1 ind. / cap. ²⁾ | | | |
| GENERAL DATA | 55 V-2 | 60 V-2 | 70 V-2 | 100 V-2 |
| Dimensions (height x width x depth) | 968 x 434 x 250 mm | | | |
| Weight | 36.9 kg | | | |
| Degree of protection | IP 54 ³⁾ | | | |
| Protection class | 1 | | | |
| Overvoltage category (DC / AC) | 2 / 3 | | | |
| Night-time consumption | ca. 1 W | | | |
| Inverter concept | HF transformer | | | |
| Cooling | Regulated air cooling | | | |
| Installation | Indoor and outdoor installation | | | |
| Ambient temperature range | from -20°C to +55°C | | | |
| Permitted humidity | 0 % to 95 % | | | |
| DC connection technology | Screw terminal connection 1.5 mm ² – 16 mm ² | | | |
| AC connection technology | Screw terminal connection 2.5 mm ² – 35 mm ² | | | |
| Certificates and compliance with standards | DIN V VDE V 0126-1-1, ÖVE / ÖNORM E 8001-4-712, UTE C15-712-1, EN 50438, G83, G59, C 10 / 11, CER 06-190, CEI 0-21, AS 4777-1, AS 4777-2, AS 4777-3, VDE AR N 4105, Generating systems on the medium-voltage network (BDEW) | | | |

Fronius IG Plus 55 V-2 and Fronius IG Plus 60 V-2 devices do not comply with the German medium-voltage directive.

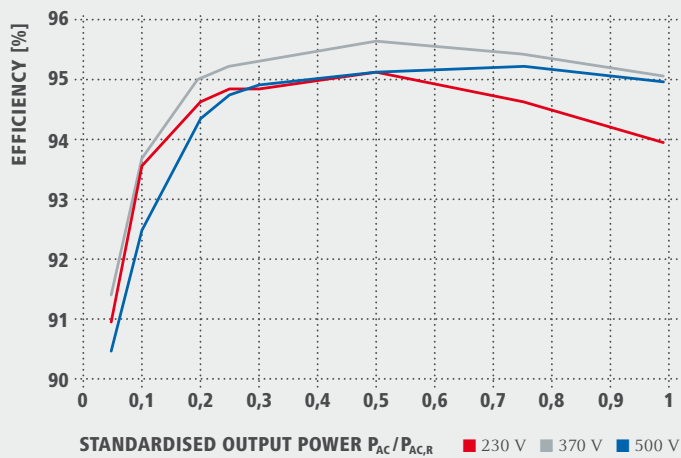
Further information regarding the availability of the inverters in your country can be found at www.fronius.com.

¹⁾ Single-phase (opt.)

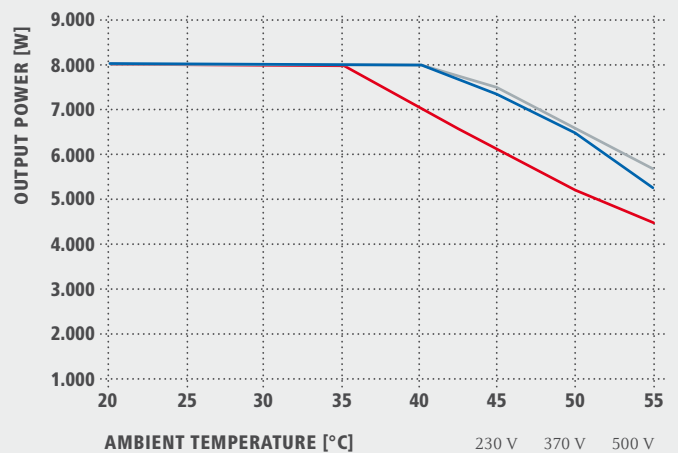
²⁾ country-specific

³⁾ Please refer to the information in the operating instructions regarding correct installation of the inverter (e.g. IG 44 applies to Australia).

FRONIUS IG PLUS 100 V-2 EFFICIENCY CURVE



FRONIUS IG PLUS 100 V-2 TEMPERATURE DERATING



TECHNICAL DATA: FRONIUS IG PLUS (55 V-2, 60 V-2, 70 V-2, 100 V-2)

| EFFICIENCY | 55 V-2 | 60 V-2 | 70 V-2 | 100 V-2 |
|-------------------------------------|--|----------------------|----------------------|----------------------|
| Max. efficiency | 95,7 % | 95,7 % | 95,7 % | 95,7 % |
| European efficiency (η_{EU}) | 94,9 % | 95,0 % | 95,1 % | 95,2 % |
| η at 5 % $P_{ac,r}^{1)}$ | 89,7 / 90,3 / 89,6 % | 90,2 / 91,0 / 90,0 % | 90,4 / 91,1 / 90,3 % | 90,9 / 91,4 / 90,5 % |
| η at 10 % $P_{ac,r}^{1)}$ | 91,4 / 91,8 / 90,8 % | 92,3 / 92,2 / 91,6 % | 93,0 / 93,2 / 92,0 % | 93,6 / 93,7 / 92,5 % |
| η at 20 % $P_{ac,r}^{1)}$ | 93,9 / 94,1 / 92,9 % | 94,6 / 94,5 / 93,7 % | 94,7 / 94,7 / 94,0 % | 94,7 / 95,1 / 94,4 % |
| η at 25 % $P_{ac,r}^{1)}$ | 94,4 / 94,6 / 93,6 % | 94,8 / 94,9 / 94,2 % | 94,9 / 95,1 / 94,4 % | 94,9 / 95,3 / 94,8 % |
| η at 30 % $P_{ac,r}^{1)}$ | 94,6 / 94,6 / 94,0 % | 95,0 / 95,2 / 94,7 % | 95,0 / 95,3 / 94,8 % | 94,9 / 95,4 / 95,0 % |
| η at 50 % $P_{ac,r}^{1)}$ | 94,9 / 95,5 / 94,7 % | 95,3 / 95,5 / 94,9 % | 95,3 / 95,5 / 94,9 % | 95,2 / 95,7 / 95,2 % |
| η at 75 % $P_{ac,r}^{1)}$ | 95,0 / 95,6 / 94,9 % | 95,1 / 95,7 / 95,3 % | 95,0 / 95,7 / 95,3 % | 94,7 / 95,5 / 95,3 % |
| η at 100 % $P_{ac,r}^{1)}$ | 95,1 / 95,7 / 95,2 % | 94,7 / 95,5 / 95,3 % | 94,5 / 95,4 / 95,2 % | 94,0 / 95,1 / 95,0 % |
| MPP adaptation efficiency | > 99,9 % | | | |
| PROTECTIVE EQUIPMENT | 55 V-2 | 60 V-2 | 70 V-2 | 100 V-2 |
| DC insulation measurement | Warning/shutdown (depending on country setup) at $R_{ISO} < 600 \text{ k}\Omega$ | | | |
| Overload behaviour | Operating point shift, power limitation | | | |
| DC circuit breaker | Integrated | | | |

Fronius IG Plus 55 V-2 and Fronius IG Plus 60 V-2 devices do not comply with the German medium-voltage directive. Further information regarding the availability of the inverters in your country can be found at www.fronius.com.

¹⁾ and at $U_{mpp \text{ min}} / U_{dc,r} / U_{mpp \text{ max}}$.

TECHNICAL DATA: FRONIUS IG PLUS (55 V-3 / 60 V-3 / 80 V-3 / 100 V-3 / 120 V-3 / 150 V-3)

| INPUT DATA | 55 V-3 | 60 V-3 | 80 V-3 | 100 V-3 | 120 V-3 | 150 V-3 |
|---|-------------|---------|---------|---------|----------|----------|
| DC maximum power at $\cos \varphi = 1$ | 5,250 W | 6,300 W | 7,360 W | 8,430 W | 10,590 W | 12,770 W |
| Max. input current ($I_{dc \max}$) | 22.8 A | 27.5 A | 32.0 A | 36.7 A | 46.0 A | 55.5 A |
| Max. array short circuit current | 34.2 A | 41.3 A | 48.0 A | 55.1 A | 69.3 A | 83.4 A |
| Min. input voltage ($U_{dc \min}$) | 230 V | | | | | |
| Feed-in start voltage ($U_{dc \text{ start}}$) | 260 V | | | | | |
| Nominal input voltage ($U_{dc \text{ r}}$) | 370 V | | | | | |
| Max. input voltage ($U_{dc \max}$) | 600 V | | | | | |
| MPP voltage range ($U_{mpp \min} - U_{mpp \max}$) | 230 - 500 V | | | | | |
| Number of DC inputs | 6 | | | | | |

| OUTPUT DATA | 55 V-3 | 60 V-3 | 80 V-3 | 100 V-3 | 120 V-3 | 150 V-3 |
|--|------------------------------------|----------|----------|----------|-----------|-----------|
| AC nominal output ($P_{ac \text{ r}}$) | 5,000 W | 6,000 W | 7,000 W | 8,000 W | 10,000 W | 12,000 W |
| Max. output power | 5,000 VA | 6,000 VA | 7,000 VA | 8,000 VA | 10,000 VA | 12,000 VA |
| Max. output current ($I_{ac \max}$) | 7.3 A | 8.7 A | 10.2 A | 11.6 A | 14.5 A | 17.4 A |
| Grid connection ($U_{ac \text{ r}}$) | 3-NPE 400 V / 230 V | | | | | |
| Min. output voltage ($U_{ac \min}$) | 180 V | | | | | |
| Max. output voltage ($U_{ac \max}$) | 270 V | | | | | |
| Frequency (f_r) | 50 Hz / 60 Hz | | | | | |
| Frequency range ($f_{\min} - f_{\max}$) | 46 - 65 Hz | | | | | |
| Distortion factor | < 3 % | | | | | |
| Power factor ($\cos \varphi_{ac \text{ r}}$) | 0.75 - 1 ind. / cap. ¹⁾ | | | | | |

| GENERAL DATA | 55 V-3 | 60 V-3 | 80 V-3 | 100 V-3 | 120 V-3 | 150 V-3 |
|--|---|--------|--------|---------|---------|---------|
| Dimensions (height x width x depth) | 1,263 x 434 x 250 mm | | | | | |
| Weight | 49.2 kg | | | | | |
| Degree of protection | IP 54 ²⁾ | | | | | |
| Protection class | 1 | | | | | |
| Overvoltage category (DC / AC) | 2 / 3 | | | | | |
| Night-time consumption | ca. 1 W | | | | | |
| Inverter concept | HF transformer | | | | | |
| Cooling | Regulated air cooling | | | | | |
| Installation | Indoor and outdoor installation | | | | | |
| Ambient temperature range | -20 - +55 °C | | | | | |
| Permitted humidity | 0 % to 95 % | | | | | |
| DC connection technology | Screw terminal connection, 1.5 - 16 mm ² | | | | | |
| AC connection technology | Screw terminal connection, 2.5 - 35 mm ² | | | | | |
| Certificates and compliance with standards | DIN V VDE V 0126-1-1, ÖVE / ÖNORM E 8001-4-712, UTE C15-712-1, EN 50438, G83, G59, C 10 / 11, CER 06-190, CEI 0-21, AS 4777-1, AS 4777-2, AS 4777-3, VDE AR N 4105, Generating systems on the medium-voltage network (BDEW) | | | | | |

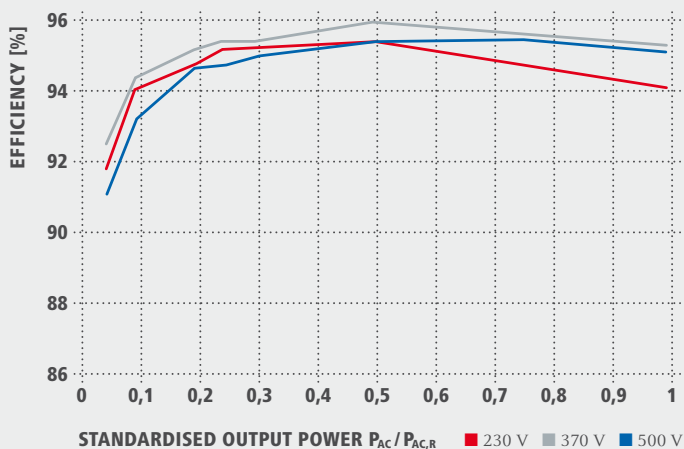
Fronius IG Plus 55 V-3, Fronius IG Plus 60 V-3 and Fronius IG Plus 80 V-3 devices do not comply with German medium-voltage directive. Further information regarding the availability of the inverters in your country can be found at www.fronius.com.

¹⁾ country-specific

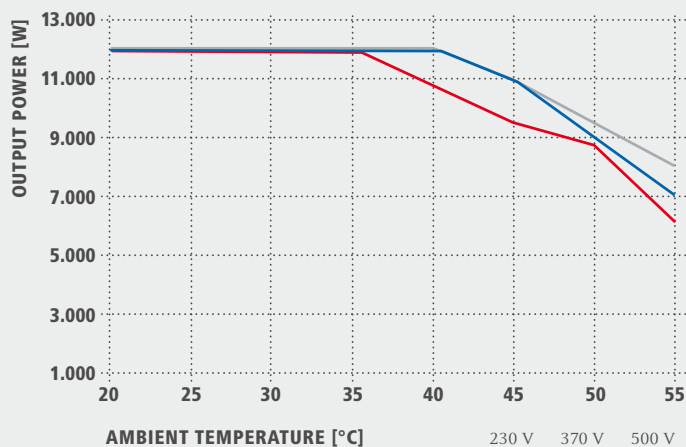
²⁾ Please refer to the information in the operating instructions regarding correct installation of the inverte (e.g. IP 44 applies to Australia).

**BROAD 3-PHASE INVERTER
RANGE FROM 5 TO 12 KW!**

FRONIUS IG PLUS 150 V-3 EFFICIENCY CURVE



FRONIUS IG PLUS 150 V-3 TEMPERATURE DERATING



TECHNICAL DATA: FRONIUS IG PLUS (55 V-3 / 60 V-3 / 80 V-3 / 100 V-3 / 120 V-3 / 150 V-3)

| EFFICIENCY | 55 V-3 | 60 V-3 | 80 V-3 | 100 V-3 | 120 V-3 | 150 V-3 |
|-------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Max. efficiency | 95.9 % | 95.9 % | 95.9 % | 95.9 % | 95.9 % | 95.9 % |
| European efficiency (η_{EU}) | 94.9 % | 95.0 % | 95.1 % | 95.3 % | 95.4 % | 95.4 % |
| η at 5% $P_{AC,R}^{1)}$ | 90.5 / 91.6 / 89.9 % | 90.7 / 91.6 / 90.1 % | 90.8 / 91.8 / 90.2 % | 91.7 / 91.9 / 90.3 % | 91.5 / 92.2 / 90.7 % | 91.8 / 92.5 / 91.1 % |
| η at 10% $P_{AC,R}^{1)}$ | 91.5 / 92.2 / 90.8 % | 91.8 / 92.5 / 91.1 % | 92.1 / 92.8 / 91.5 % | 93.1 / 93.1 / 92.0 % | 93.4 / 93.7 / 92.6 % | 94.0 / 94.3 / 93.2 % |
| η at 20% $P_{AC,R}^{1)}$ | 93.4 / 93.6 / 93.3 % | 94.1 / 94.3 / 93.2 % | 94.2 / 94.5 / 93.6 % | 94.3 / 94.9 / 94.2 % | 94.6 / 95.2 / 94.5 % | 94.7 / 95.1 / 94.6 % |
| η at 25% $P_{AC,R}^{1)}$ | 94.1 / 94.2 / 93.3 % | 94.4 / 94.7 / 93.8 % | 94.6 / 94.9 / 94.3 % | 94.6 / 95.2 / 94.5 % | 94.7 / 95.3 / 94.7 % | 95.1 / 95.3 / 94.7 % |
| η at 30% $P_{AC,R}^{1)}$ | 94.4 / 94.5 / 93.8 % | 94.5 / 95.0 / 94.4 % | 94.6 / 95.2 / 94.6 % | 94.7 / 95.2 / 94.5 % | 95.0 / 95.4 / 94.7 % | 95.1 / 95.3 / 94.9 % |
| η at 50% $P_{AC,R}^{1)}$ | 94.7 / 95.4 / 94.7 % | 95.1 / 95.4 / 94.6 % | 95.1 / 95.5 / 94.9 % | 95.3 / 95.8 / 95.0 % | 95.3 / 95.9 / 95.1 % | 95.3 / 95.9 / 95.3 % |
| η at 75% $P_{AC,R}^{1)}$ | 95.2 / 95.7 / 95.0 % | 95.3 / 95.7 / 95.0 % | 95.3 / 95.9 / 95.1 % | 95.3 / 95.9 / 95.3 % | 95.0 / 95.5 / 95.4 % | 94.7 / 95.6 / 95.4 % |
| η at 100% $P_{AC,R}^{1)}$ | 95.3 / 95.9 / 95.2 % | 95.3 / 95.9 / 95.3 % | 95.1 / 95.7 / 95.4 % | 94.9 / 95.7 / 95.4 % | 94.6 / 95.5 / 95.3 % | 94.0 / 95.2 / 95.1 % |
| MPP adaptation efficiency | > 99.9 % | | | | | |

| PROTECTIVE EQUIPMENT | 55 V-3 | 60 V-3 | 80 V-3 | 100 V-3 | 120 V-3 | 150 V-3 |
|---------------------------|--|--------|--------|---------|---------|---------|
| DC insulation measurement | Warning/shutdown (depending on country setup) at $R_{ISO} < 600 \text{ k}\Omega$ | | | | | |
| Overload behaviour | Operating point shift, power limitation | | | | | |
| DC circuit breaker | Integrated | | | | | |

Fronius IG Plus 55 V-3, Fronius IG Plus 60 V-3 and Fronius IG Plus 80 V-3 devices do not comply with German medium-voltage directive. Further information regarding the availability of the inverters in your country can be found at www.fronius.com.

¹⁾ and at $U_{mpp \text{ min}} / U_{dc,r} / U_{mpp \text{ max}}$.

/ Battery Charging Systems / Welding Technology / Solar Electronics

WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS.

/ Whether Battery Charging Systems, Welding Technology or Solar Electronics - our goal is clearly defined: to be the technology and quality leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our more than 850 active patents are testimony to this. While others progress step by step, we innovate in leaps and bounds. Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com



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