



Wels, December 28<sup>th</sup>, 2021

## OVERSIZING FRONIUS PRIMO GEN24

**Fronius International GmbH**

hereby confirms that the inverters

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|---|---|
| / <b>Fronius Primo GEN24 3.0 (Plus)</b> | / <b>Fronius Primo GEN24 4.6 (Plus)</b> |
| / <b>Fronius Primo GEN24 3.6 (Plus)</b> | / <b>Fronius Primo GEN24 5.0 (Plus)</b> |
| / <b>Fronius Primo GEN24 4.0 (Plus)</b> | / <b>Fronius Primo GEN24 6.0 (Plus)</b> |

can be oversized above the rated nameplate capacity without voiding the manufacturer's warranty, provided that the following conditions are always adhered to:

- / The string and array configuration do not exceed the sizing limits of the inverter ( $I_{sc\_max}$ ,  $P_{pv\_max}$ ,  $U_{dc\_max}$ ) stated in the official datasheets and in this document. This includes, but is not limited to conditions like, low
  - / temperatures, high irradiances, bifacial gain, etc.
- Exceeding any of these limits can damage the inverter or even cause harm or injury.

INPUT DATA	PRIMO GEN24 3.0 (PLUS)	PRIMO GEN24 3.6 (PLUS)	PRIMO GEN24 4.0 (PLUS)	PRIMO GEN24 4.6 (PLUS)	PRIMO GEN24 5.0 (PLUS)	PRIMO GEN24 6.0 (PLUS)
DC input voltage range (U <sub>dc min</sub> - U <sub>dc max</sub> )	65 - 600 V (U <sub>oc max</sub> of the PV array ≤ 600 V)					
Usable MPP input current (MPPT1/MPPT2/total) (I <sub>dc_max</sub> )	22 / 12 / 34 A	22 / 12 / 34 A	22 / 12 / 34 A	22 / 12 / 34 A	22 / 12 / 34 A	22 / 12 / 34 A
Max. PV generator short circuit current (MPPT1/MPPT2/total) (I <sub>sc_max</sub> )	33 / 18 / 51 A	33 / 18 / 51 A	33 / 18 / 51 A	33 / 18 / 51 A	33 / 18 / 51 A	33 / 18 / 51 A
Max. usable DC power (MPPT1/MPPT2/total) (P <sub>dc_max</sub> )	3.11 / 3.11 / 3.11 kW	3.81 / 3.81 / 3.81 kW	4.1 / 4.1 / 4.1 kW	4.75 / 4.75 / 4.75 kW	5.17 / 5.17 / 5.17 kW	6.2 / 5.76 / 6.2 kW
Max. PV generator power (MPPT1/MPPT2/total) (P <sub>pv_max</sub> )	3.75 / 3.11 / 4.5 kWpeak	4.6 / 3.81 / 5.52 kWpeak	5 / 4.14 / 6 kWpeak	5.75 / 4.75 / 6.9 kWpeak	6.25 / 5.17 / 7.5 kWpeak	7.5 / 5.76 / 9 kWpeak
reduced DC input voltage range (U <sub>dc min</sub> - U <sub>dc max</sub> )	65 - 450 V (U <sub>oc max</sub> of the PV array ≤ 450 V)					
Max. PV generator power @ reduced DC input voltage range *** (MPPT1/MPPT2/total) (P <sub>pv_max</sub> )	4.5 / 4.5 / 6 kWpeak	5.5 / 4.5 / 7.36 kWpeak	6 / 4.5 / 8 kWpeak	6.9 / 5.75 / 9 kWpeak	7 / 5.75 / 9 kWpeak	7.5 / 5.76 / 9 kWpeak

\*\*\*Note - the oversizing values in the table vary depending on the PV array max. voltage  $U_{oc\_max}$ .

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