

| Sigen Gateway                                           | TP AU                                                     | Units |
|---------------------------------------------------------|-----------------------------------------------------------|-------|
| <b>Grid Connection</b>                                  |                                                           |       |
| Grid connection type                                    | Three phase                                               |       |
| Nominal AC input / output voltage                       | 400                                                       | V     |
| Nominal AC input / output current                       | 72.2                                                      | A     |
| Nominal AC input / output power                         | 50                                                        | kW    |
| Nominal AC frequency                                    | 50 / 60                                                   | Hz    |
| Grid disconnection switchover time <sup>1</sup>         | 0                                                         | ms    |
| <b>AC Output to Backup Port</b>                         |                                                           |       |
| Nominal AC output voltage                               | 400                                                       | V     |
| Nominal AC output current                               | 72.2                                                      | A     |
| Nominal AC output power                                 | 50                                                        | kW    |
| Nominal AC frequency                                    | 50 / 60                                                   | Hz    |
| Overvoltage category                                    | 0                                                         |       |
| <b>Inverter Connection / EV Charger Port (optional)</b> |                                                           |       |
| Max. number of connection                               | 2                                                         |       |
| Nominal AC voltage                                      | 400                                                       | V     |
| Nominal AC input current                                | 43.5 (INV1), 30 (INV2) <sup>2</sup>                       | A     |
| Max. AC nominal power per inverter connection           | 30 (INV1), 20 (INV2) <sup>2</sup>                         | kW    |
| Compatible EV charger power                             | 11 / 22                                                   | kW    |
| EV charging mode                                        | Solar boost charging, time-based charging, load balancing |       |
| <b>Smart Port Connection</b>                            |                                                           |       |
| Generator output voltage                                | 400                                                       | V     |
| Nominal input / output current                          | 76                                                        | A     |
| Nominal AC input / output power                         | 50                                                        | kW    |
| Generator 2-wire start                                  | Supported                                                 |       |
| <b>General Data</b>                                     |                                                           |       |
| Dimensions (W / H / D)                                  | 510 / 750 / 179                                           | mm    |
| Weight                                                  | 23                                                        | kg    |
| Storage temperature range                               | -40 ~ 70                                                  | °C    |
| Operating temperature range                             | -30 ~ 55                                                  | °C    |
| Relative humidity range                                 | 0% ~ 95%                                                  |       |
| Max. operation altitude                                 | 4000                                                      | m     |
| Cooling                                                 | Natural convection                                        |       |
| Ingress protection rating                               | IP54                                                      |       |
| Communication                                           | Fast Ethernet , RS485, dry contact                        |       |
| Installation method                                     | Wall mounted                                              |       |

1. This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the backup loads.
2. For Sigenenergy three phase inverter products, the INV1 port supports 17.0-30.0 kW inverter, the INV2 port supports 6.0-20.0 kW inverter.