

| Model                                  | AU-1P3K3G-LE                                                                                       | AU-1P3.6K3G-LE | AU-1P4K3G-LE | AU-1P4.6K3G-LE | AU-1P5K3G-LE | AU-1P5.5K3G-LE | AU-1P6K3G-LE |
|----------------------------------------|----------------------------------------------------------------------------------------------------|----------------|--------------|----------------|--------------|----------------|--------------|
| PV Input                               |                                                                                                    |                |              |                |              |                |              |
| Max. Input Power (kW)                  | 4.5                                                                                                | 5.4            | 6.0          | 6.9            | 7.5          | 8.3            | 9.0          |
| Max. PV Voltage (V)                    | 550                                                                                                |                |              |                |              |                |              |
| MPPT Range (V)                         | 80 - 500                                                                                           |                |              |                |              |                |              |
| Full MPPT Range (V)                    | 90 - 500                                                                                           | 110 - 500      | 120 - 500    | 130 - 500      | 150 - 500    | 160 - 500      | 170 - 500    |
| Normal Voltage (V)                     | 360                                                                                                |                |              |                |              |                |              |
| Startup Voltage (V)                    | 100                                                                                                |                |              |                |              |                |              |
| Max. Input Current (A)                 | 18.5 × 2                                                                                           |                |              |                |              |                |              |
| Max. Short Current (A)                 | 26 × 2                                                                                             |                |              |                |              |                |              |
| No. of MPPT Tracker / No. of PV String | 2 / 2                                                                                              |                |              |                |              |                |              |
| Battery Port                           |                                                                                                    |                |              |                |              |                |              |
| Max. Charge / Discharge Power (kW)     | 3.0                                                                                                | 3.6            | 4.0          | 4.6            | 4.8          | 4.8            | 4.8          |
| Max. Charge / Discharge Current (A)    | 80                                                                                                 |                |              |                |              |                |              |
| Battery Normal Voltage (V)             | 51.2                                                                                               |                |              |                |              |                |              |
| Battery Voltage Range (V)              | 40 - 60                                                                                            |                |              |                |              |                |              |
| Battery Type                           | Li-ion / Lead-acid etc.                                                                            |                |              |                |              |                |              |
| AC Grid                                |                                                                                                    |                |              |                |              |                |              |
| Max. Continuous Current (A)            | 14.0                                                                                               | 17.0           | 19.0         | 22.0           | 23.0         | 26.0           | 28.0         |
| Max. Continuous Power (kVA)            | 3.0                                                                                                | 3.6            | 4.0          | 4.6            | 5.0          | 5.5            | 6.0          |
| Norminal Grid Current (A)              | 13.7 / 13.1                                                                                        | 16.4 / 15.7    | 18.2 / 17.4  | 21.0 / 20.0    | 22.8 / 21.8  | 25.0 / 24.0    | 27.3 / 26.1  |
| Norminal Grid Voltage (A)              | 198 to 242 @ 220 / 207 to 253 @ 230                                                                |                |              |                |              |                |              |
| Norminal Grid Frequency (Hz)           | 50 / 60                                                                                            |                |              |                |              |                |              |
| Power Factor                           | 0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)                                        |                |              |                |              |                |              |
| Current THD (%)                        | <3                                                                                                 |                |              |                |              |                |              |
| AC Load Output                         |                                                                                                    |                |              |                |              |                |              |
| Max. Continuous Current (A)            | 14.0                                                                                               | 17.0           | 19.0         | 22.0           | 23.0         | 26.0           | 28.0         |
| Max. Continuous Power (kVA)            | 3.0                                                                                                | 3.6            | 4.0          | 4.6            | 5.0          | 5.5            | 6.0          |
| Max. Peak Current (A)(10min)           | 20.5 / 19.6                                                                                        | 24.6 / 23.5    | 27.3 / 26.1  | 31.4 / 30.0    | 34.1 / 32.7  | 37.8 / 36.1    | 41.0 / 39.2  |
| Max. Peak Power (kVA)(10min)           | 4.5                                                                                                | 5.4            | 6.0          | 6.9            | 7.5          | 8.3            | 9.0          |
| Nominal AC Current (A)                 | 13.7 / 13.1                                                                                        | 16.4 / 15.7    | 18.2 / 17.4  | 21.0 / 20.0    | 22.8 / 21.8  | 25.0 / 24.0    | 27.3 / 26.1  |
| Nominal AC Voltage L-N (V)             | 220 - 230                                                                                          |                |              |                |              |                |              |
| Nominal AC Frequency (Hz)              | 50 - 60                                                                                            |                |              |                |              |                |              |
| Switching Time (s)                     | Seamless                                                                                           |                |              |                |              |                |              |
| Voltage THD (%)                        | <3                                                                                                 |                |              |                |              |                |              |
| Efficiency                             |                                                                                                    |                |              |                |              |                |              |
| CEC Efficiency (%)                     | 97.0                                                                                               |                |              |                |              |                |              |
| Max. Efficiency (%)                    | 97.6                                                                                               |                |              |                |              |                |              |
| PV to Bat. Efficiency (%)              | 98.1                                                                                               |                |              |                |              |                |              |
| Bat. between AC Efficiency (%)         | 96.8                                                                                               |                |              |                |              |                |              |
| Protection                             |                                                                                                    |                |              |                |              |                |              |
| PV Reverse Polarity Protection         | YES                                                                                                |                |              |                |              |                |              |
| Over Current / Voltage Protection      | YES                                                                                                |                |              |                |              |                |              |
| Anti-Islanding Protection              | YES                                                                                                |                |              |                |              |                |              |
| AC Short Circuit Protection            | YES                                                                                                |                |              |                |              |                |              |
| Residual Current Detection             | YES                                                                                                |                |              |                |              |                |              |
| Ground Fault Monitoring                | YES                                                                                                |                |              |                |              |                |              |
| Insulation Resister Detection          | YES                                                                                                |                |              |                |              |                |              |
| PV Arc Detection                       | YES                                                                                                |                |              |                |              |                |              |
| Enclosure Protect Level                | IP65 / NEMA4X                                                                                      |                |              |                |              |                |              |
| General Data                           |                                                                                                    |                |              |                |              |                |              |
| Dimensions (L×W×H,mm)                  | 513 × 370 × 192                                                                                    |                |              |                |              |                |              |
| Weight (kg)                            | 17                                                                                                 |                |              |                |              |                |              |
| Topology                               | Transformerless                                                                                    |                |              |                |              |                |              |
| Cooling                                | Intelligent Fan                                                                                    |                |              |                |              |                |              |
| Relatively Humidity (%)                | 0 - 100                                                                                            |                |              |                |              |                |              |
| Operation Temperature Rangr ( C )      | -25 to 60                                                                                          |                |              |                |              |                |              |
| Operation Altitude (m)                 | <4000                                                                                              |                |              |                |              |                |              |
| Noise Emission (dB)                    | <25                                                                                                |                |              |                |              |                |              |
| Standby Consumption (W)                | <10                                                                                                |                |              |                |              |                |              |
| Mounting                               | Wall Bracket                                                                                       |                |              |                |              |                |              |
| Communication with RSD                 | SUNSPEC                                                                                            |                |              |                |              |                |              |
| Display & Communication Interfaces     | LCD, LED, RS485, CAN, WiFi,GPRS, 4G                                                                |                |              |                |              |                |              |
| Certification & Approvals              | NRS97, G98/G99, EN50549-1,C10/C11, AS 4777, VDE-AR-N4105,VDE0126, IEC62040, IEC62109-1, IEC62109-2 |                |              |                |              |                |              |
| EMC                                    | EN61000-6-2, EN61000-6-3                                                                           |                |              |                |              |                |              |