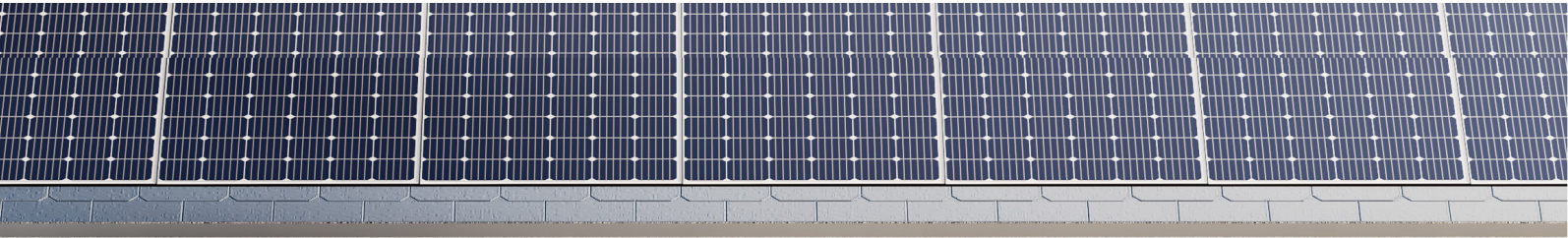


SNA 3-6K (Single-Phase)

- Off-grid seamless switching 2 MPPTs, Max. PV input: 9.6kW
- Wide PV input voltage range: 100~500V
- Supports up to 18 units in parallel
- Max. charging and discharging current 140A
- Dedicated Port: Supports generator, AC coupling or smart load management for enhanced stability
- 24/7 real-time monitoring via LUX app with worry-free updates



| Model                                            | SNA 3K           |  | SNA 4K           |  | SNA 5K                                           |  | SNA 6K           |  |
|--------------------------------------------------|------------------|--|------------------|--|--------------------------------------------------|--|------------------|--|
| Input (PV DC)                                    |                  |  |                  |  |                                                  |  |                  |  |
| Max. PV input power (W)                          | 6000 (3000/3000) |  | 8000 (4000/4000) |  | 8000 (4000/4000)                                 |  | 9600 (4800/4800) |  |
| Rated PV input voltage (V)                       |                  |  |                  |  | 320                                              |  |                  |  |
| Number of independent MPPT inputs                |                  |  |                  |  | 2/(1:1)                                          |  |                  |  |
| PV input voltage range (V)                       |                  |  |                  |  | 100~500                                          |  |                  |  |
| MPPT voltage range (V)                           |                  |  |                  |  | 120~385                                          |  |                  |  |
| Start-up voltage (V)                             |                  |  |                  |  | 100                                              |  |                  |  |
| Max. PV input current per MPPT (A)               |                  |  |                  |  | 17/17                                            |  |                  |  |
| Max. PV short-circuit current input per MPPT (A) |                  |  |                  |  | 25/25                                            |  |                  |  |
| Battery                                          |                  |  |                  |  |                                                  |  |                  |  |
| Compatible battery type                          |                  |  |                  |  | Lithium-ion/Lead-Acid                            |  |                  |  |
| Rated battery voltage (V)                        |                  |  |                  |  | 48                                               |  |                  |  |
| Battery voltage range (V)                        |                  |  |                  |  | 38.4~60                                          |  |                  |  |
| Max. charging/discharging current (A)            | 70/70            |  | 90/90            |  | 110/110                                          |  | 140/140          |  |
| Max. charging/discharging power (W)              | 3000             |  | 4000             |  | 5000                                             |  | 6000             |  |
| Recommend capacity of battery per inverter       | >100AH           |  | >200AH           |  | >200AH                                           |  | >200AH           |  |
| Force wake up battery from PV function           |                  |  |                  |  | YES                                              |  |                  |  |
| Force wake up battery from Grid function         |                  |  |                  |  | YES                                              |  |                  |  |
| Grid                                             |                  |  |                  |  |                                                  |  |                  |  |
| Rated AC voltage (V)                             |                  |  |                  |  | 230                                              |  |                  |  |
| Rated AC frequency (Hz)                          |                  |  |                  |  | 50/60                                            |  |                  |  |
| Rated AC output current (A)                      | 13.5             |  | 17.5             |  | 22                                               |  | 26.5             |  |
| Rated AC output power (W)                        | 3000             |  | 4000             |  | 5000                                             |  | 6000             |  |
| Max. AC intput power (W)                         |                  |  | 8000             |  |                                                  |  | 9000             |  |
| PF                                               |                  |  |                  |  | 0.99(Adjustable from 0.8 leading to 0.8 lagging) |  |                  |  |
| THDI                                             |                  |  |                  |  | <5%                                              |  |                  |  |
| Max. continuous AC passthrough current (A)       |                  |  |                  |  | 35                                               |  | 40               |  |
| GEN                                              |                  |  |                  |  |                                                  |  |                  |  |
| Rated GEN voltage (V)                            |                  |  |                  |  | 220/230/240                                      |  |                  |  |
| Rated GEN frequency (Hz)                         |                  |  |                  |  | 50/60                                            |  |                  |  |
| Rated GEN input current (A)                      |                  |  |                  |  | 32                                               |  |                  |  |
| Rated GEN input power (W)                        |                  |  |                  |  | 7370                                             |  |                  |  |
| Rated GEN current of BYPASS relays (A)           |                  |  |                  |  | 60                                               |  |                  |  |
| UPS                                              |                  |  |                  |  |                                                  |  |                  |  |
| Rated output power (W)                           | 3000             |  | 4000             |  | 5000                                             |  | 6000             |  |
| Rated output voltage (V)                         |                  |  |                  |  | 230                                              |  |                  |  |
| Rated output current (A)                         | 13.5             |  | 17.5             |  | 22                                               |  | 26.5             |  |
| Rated output frequency (Hz)                      |                  |  |                  |  | 50/60                                            |  |                  |  |
| Surge power, duration                            |                  |  |                  |  | 2Pn, <5s                                         |  |                  |  |
| Switching time                                   |                  |  |                  |  | <10ms@Single/<20ms@Parallel                      |  |                  |  |
| Wave form                                        |                  |  |                  |  | Sine wave                                        |  |                  |  |
| THDV                                             |                  |  |                  |  | 3%                                               |  |                  |  |
| Efficiency                                       |                  |  |                  |  |                                                  |  |                  |  |
| Max. MPPT efficiency                             |                  |  |                  |  | 99.9%                                            |  |                  |  |
| Max. efficiency                                  |                  |  |                  |  | 93.0%                                            |  |                  |  |
| Max. charging efficiency                         |                  |  |                  |  | 93.0%                                            |  |                  |  |
| Max. discharging efficiency                      |                  |  |                  |  | 93.0%                                            |  |                  |  |
| Protection                                       |                  |  |                  |  |                                                  |  |                  |  |
| Over current/voltage protection                  |                  |  |                  |  | YES                                              |  |                  |  |
| AC Short-circuit current protection              |                  |  |                  |  | YES                                              |  |                  |  |
| Grid monitoring                                  |                  |  |                  |  | YES                                              |  |                  |  |
| AC surge protection                              |                  |  |                  |  | Type III                                         |  |                  |  |
| Battery reverse polarity protection              |                  |  |                  |  | YES                                              |  |                  |  |
| General                                          |                  |  |                  |  |                                                  |  |                  |  |
| Dimensions (W*H*D)                               |                  |  |                  |  | 330*505*135mm/13*19.9*5.3inch                    |  |                  |  |
| Weight                                           |                  |  |                  |  | 14.5kg/32lbs                                     |  |                  |  |
| Ingress protection rating                        |                  |  |                  |  | IP20                                             |  |                  |  |
| Operating environment temperature range (°C)     |                  |  |                  |  | 0~50                                             |  |                  |  |
| Storage temperature range (°C)                   |                  |  |                  |  | -15~60                                           |  |                  |  |
| Relative humidity                                |                  |  |                  |  | 5%~95%                                           |  |                  |  |
| Display & Communication interface                |                  |  |                  |  | LCD+LED, RS485/Wi-Fi/CAN                         |  |                  |  |
| Warranty                                         |                  |  |                  |  | 2 years                                          |  |                  |  |
| Cooling method                                   |                  |  |                  |  | Smart Cooling                                    |  |                  |  |
| Topology                                         |                  |  |                  |  | Transformer-less                                 |  |                  |  |
| Altitude                                         |                  |  |                  |  | <2000m                                           |  |                  |  |
| Noise emission (typical)                         |                  |  |                  |  | <50dB                                            |  |                  |  |
| Standards & Certification                        |                  |  |                  |  |                                                  |  |                  |  |