



SINGLE PHASE ON-GRID INVERTER



DN1 Series(3.68-6KTL)

-  Compatible with 500W+ PV modules
-  150% DC input oversizing
-  Remote firmware upgrade
-  Built-in zero injection function
-  Type II SPD for both DC and AC

Single Phase On-Grid Inverter

DUNEXT

| Model | DN1-3.68KTL | DN1-4KTL | DN1-5KTL | DN1-6KTL |
|---|--|----------|----------|----------|
| PV Input | | | | |
| Max. Recommended PV Power [Wp] | 5500 | 6000 | 7500 | 9000 |
| Max. PV Input Voltage [V] | 600 | | | |
| MPPT Voltage Range [V] | 80 ~ 550 | | | |
| Rated Input Voltage [V] | 360 | | | |
| Start-up Voltage [V] | 100 | | | |
| No. of MPP Trackers | 2 | | | |
| No. of Input Strings per Tracker | 1 / 1 | | | |
| Max. PV Input Current [A] | 16 / 16 | | | |
| Max. Short-circuit Current per MPPT [A] | 20 / 20 | | | |
| AC Output | | | | |
| Rated AC Power [W] | 3680 | 4000 | 5000 | 6000 |
| Max. Apparent Power [VA] | 3680 | 4400 | 5500 | 6000 |
| Max. AC Current [A] | 16 | 20 | 25 | 27.3 |
| Rated AC Voltage [V] | L / N / PE, 220 / 230 | | | |
| Grid Frequency [Hz] | 50 / 60 | | | |
| Adjustable Power Factor [cos φ] | 0.8 leading ... 0.8 lagging | | | |
| Output THDi (@Rated Output) | < 3% | | | |
| Efficiency | | | | |
| Max. Efficiency | 97.9% | 97.9% | 97.9% | 97.9% |
| European Efficiency | 97.2% | 97.2% | 97.2% | 97.2% |
| Protection | | | | |
| DC Insulation Monitoring | Yes | | | |
| Input Reverse Polarity Protection | Yes | | | |
| Anti-island Protection | Yes | | | |
| Residual Current Monitoring | Yes | | | |
| AC Overcurrent Protection | Yes | | | |
| AC Short-circuit Protection | Yes | | | |
| DC Surge Protection | Yes (Type II) | | | |
| AC Surge Protection | Yes (Type II) | | | |
| AFCI Protection | Optional | | | |
| DC Switch | Optional | | | |
| General Data | | | | |
| Dimension (W * H * D) [mm] | 353 * 320 * 150 | | | |
| Weight [kg] | 10 | | | |
| Display | LED + OLED | | | |
| Communication | RS485 and USB (Standard), Wifi (Standard), 4G or Ethernet (Optional) | | | |
| Ambient Temperature Range [°C] | -25 ~ +60 | | | |
| Relative Humidity | 0 ~ 100% | | | |
| Operating Altitude [m] | ≤ 2000 | | | |
| Standby Self Consumption [W] | < 1 | | | |
| Topology | Transformerless | | | |
| Cooling | Natural | | | |
| Degree of Protection | IP65 | | | |
| Noise [dB] | < 25 | | | |
| Certifications & Standards | | | | |
| Grid Connection Standards | VDE 0126-1-1, ORDINANCE140, G99 | | | |
| Safety Regulation | IEC 62109-1, IEC 62109-2 | | | |
| EMC | IEC 61000-6-1, IEC 61000-6-3 | | | |