

THREE PHASE ON-GRID INVERTER



DN3 Series(4-12KTL)

- Natural cooling for mute operation
- Wider MPPT voltage range (140 ~ 1000V)
- Remote firmware upgrade
- IP65 outdoor design
- 150% DC input oversizing
- Built-in zero injection function

Three Phase On-Grid Inverter

DUNEXT

Model	DN3-4KTL	DN3-5KTL	DN3-6KTL	DN3-8KTL	DN3-10KTL-A	DN3-10KTL	DN3-12KTL
PV Input							
Max. Recommended PV Power [Wp]	6000	7500	9000	12000	15000	15000	18000
Max. PV Input Voltage [V]	1100						
MPPT Voltage Range [V]	140 ~ 1000						
Rated Input Voltage [V]	600						
Start-up Voltage [V]	160						
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]	4000	5000	6000	8000	10000	10000	12000
Max. Apparent Power [VA]	4400	5500	6600	8800	10000	11000	13200
Max. AC Current [A]	6.7	8.4	10	13.4	15.2	16.7	20
Rated AC Voltage [V]	3 / N / PE, 220 / 380, 230 / 400						
Grid Frequency [Hz]	50 / 60						
Adjustable Power Factor [cos φ]	0.8 leading ... 0.8 lagging						
Output THDi (@Rated Output)	< 3%						
Efficiency							
Max. Efficiency	98.4%	98.4%	98.4%	98.5%	98.5%	98.5%	98.5%
European Efficiency	97.5%	97.5%	97.5%	98.0%	98.0%	98.0%	98.0%
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						
PID function	Optional						
DC Switch	Yes						
General Data							
Dimension (W * H * D) [mm]	428 * 385 * 185						
Weight [kg]	15						
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]	< 35						
Certifications & Standards							
Grid Regulation	NB/T32004-2018, EN 50549-1, IEC 61727, IEC 62116						
Safety Regulation	IEC 62109-1, IEC 62109-2						
EMC	EN/IEC 61000-6-1, EN/IEC 61000-6-3						