DN3 Series (100-125KTL)

- 150% DC input oversizing
- Remote firmware upgrade
- Wide range of MPPT voltage
- Optional smart PID recoery function
- IP66 outdoor design
- Compatible with repowering scenario

Three Phase On-Grid Inverter

DUNEXT

Model	DN3-100KTL	DN3-125KTL
PV Input		
Max. Recommended PV Power [Wp]	150000	187500
Max. PV Input Voltage [V]	1100	
MPPT Voltage Range [V]	200 ~ 1000	
Rated Input Voltage [V]	650	
Start-Up Voltage [V]	200	
No. of MPP Trackers	9	
No. of Input Strings per Tracker	2	
Max. PV Input Current [A]	32	
Max. Short-Circuit Current per MPPT [A]	48	
AC Output		
Rated AC Power [W]	100000	125000
Max. Apparent Power [VA]	110000	137500
Max. AC Current [A]	159.4	181.2
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	98.7%	
European Efficiency	98.3%	
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	
String Current Monitoring	Yes	
DC Surge Protection	Yes	
AC Surge Protection	Yes	
PID Function	Optional	
DC Switch	Yes	
General Data		
Dimension [W * H * D] [mm]	965 * 700 * 355	
Weight [kg]	88	
Display	LED	
Communication	RS485 (Standard), WiFi	
Ambient Temperature Range [℃]	-30 ~ +60	
Relative Humidity	0 ~ 100%	
Operating Altitude [m]	⩽ 4000	
Standby Self Consumption without PID [W]	< 1	
Topology	Transformerless	
Cooling	Fan	
Degree of Protection	IP66	
Certifications & Standards		
Grid Connection Standards	IEC 62116, IEC 61727, NC RFG Type B, CEI-016, UKCA-LVD, UKCA-EMC, G99 Type A/B	
Safety Regulation	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2	
EMC	EN 61000-3-11, EN 61000-3-12, EN 61000-6-2, EN 61000-3-4, EN 50549-1, EN 50549-2	