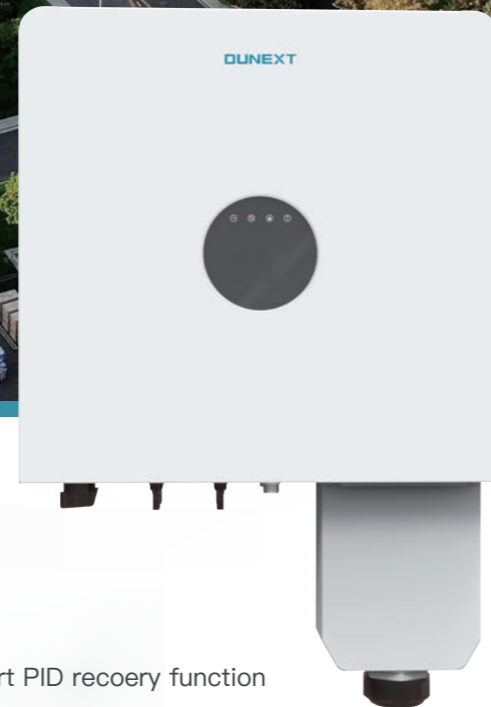


THREE PHASE ON-GRID INVERTER



Three Phase On-Grid Inverter

Model	DN3-50KTL-G2	DN3-60KTL	DN3-80KTL
		PV Input	
Max. Recommended PV Power [Wp]	75000	90000	120000
Max. PV Input Voltage [V]		1100	
MPPT Voltage Range [V]		200 ~ 1000	
Rated Input Voltage [V]		650	
Start-Up Voltage [V]		180	
No. of MPP Trackers		4	
No. of Input Strings per Tracker	2 / 2 / 2 / 2	2 / 2 / 2 / 2	3 / 3 / 3 / 3
Max. PV Input Current [A]	32 / 32 / 32 / 32	32 / 32 / 32 / 32	45 / 45 / 45 / 45
Max. Short-Circuit Current per MPPT [A]	48 / 48 / 48 / 48	48 / 48 / 48 / 48	60 / 60 / 60 / 60
		AC Output	
Rated AC Power [W]	50000	60000	80000
Max. Apparent Power [VA]	55000	66000	88000
Max. AC Current [A]	83.3	100	127.5
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	98.97%	98.97%	99.04%
European Efficiency	98.43%	98.43%	98.46%
		Protection	
DC Insulation Monitoring		Yes	
Input Reverse Polarity Protection		Yes	
Anti-Island Protection		Yes	
Residual Current Monitoring		Yes	
AC Overcurrent Protection		Yes	
String Current Monitoring		Yes	
AC Short-Circuit Protection		Yes	
DC Surge Protection		Yes (Type II)	
AC Surge Protection		Yes (Type II)	
PID Function		Optional	
DC Switch		Yes	
		General Data	
Dimension [W * H * D] [mm]		548 * 540 * 289	
Weight [kg]	51	51	55
Display		LED	
Communication		RS485 , WiFi	
Ambient Temperature Range [°C]		-25 ~ +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	EN50549-1; VDE-AR-N-4105; CEI0-21; C10 / C11; G99		
Safety Regulation	EN / IEC62109-1; EN / IEC62109-2		
EMC	IEC / EN 61000-6-1; IEC / EN 61000-6-3; IEC / EN61000-6-2; IEC / EN61000-6-4		



DN3 Series (50-80KTL)

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