

THREE PHASE ON-GRID INVERTER



DN3 Series (15–25KTL)

-  Compatible with 600W+ PV modules
-  Wider MPPT voltage range (180 ~ 1000V)
-  Maximum DC input voltage 1100V
-  Remote firmware upgrade
-  150% DC input oversizing
-  Built-in zero injection function

Three Phase On-Grid Inverter

DUNEXT

Model	DN3-15KTL	DN3-17KTL	DN3-20KTL	DN3-25KTL
PV Input				
Max. Recommended PV Power [Wp]	22500	22500	30000	37500
Max. PV Input Voltage [V]	1100			
MPPT Voltage Range [V]	180 ~ 1000			
Rated Input Voltage [V]	600			
Start-Up Voltage [V]	200			
No. of MPP Trackers	2			
No. of Input Strings per Tracker	2 / 2			
Max. PV Input Current [A]	40 / 40			
Max. Short-Circuit Current per MPPT [A]	50 / 50			
AC Output				
Rated AC Power [W]	15000	17000	20000	25000
Max. Apparent Power [VA]	16500	18700	22000	27500
Max. AC Current [A]	25	28.3	33.4	41.7
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	98.6%	98.6%	98.6%	98.6%
European Efficiency	98.2%	98.2%	98.2%	98.2%
Protection				
DC Insulation Monitoring	Yes			
Input Reverse Polarity Protection	Yes			
Anti-Island Protection	Yes			
PID Recovery Function	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]	520 * 412 * 200			
Weight [kg]	22			
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	Air Cooling			
Degree of Protection	IP65			
Noise [dB]	< 45			
Certifications & Standards				
Grid Connection Standards	NB / T 32004-2018, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, EN 50549-1, IEC 61727, IEC 62116, ORDINANCE No.140, IEC 62891			
Safety Regulation	IEC 62109-1, IEC 62109-2			
EMC	EN 61000-1, EN 61000-2, EN 61000-3, EN 61000-4			