



Product Feature:

EDO-N500KNT uses the fifth generation IGBT from Mitsubishi and has an advanced control system. The technical features are as follows:

Use TI's 28 series high-performance DSP chip

Use high-speed CPLD calculation and fiber optic transmission, fast and reliable

Advanced MPPT technology

Wide input voltage range

Without transformer

Reliable DC detecting and control

Advanced Anti-island technology

Multi-CPU control, built a sound protecting function

Advanced modular design, more safe and reliable

High transfer efficiency

$\leq 3\%$ output THD

Both MPPT and CVT running mode

Advanced multi-languages LCD display and powerful communication interfaces

Color touch-screen LCD display

Meet the following standards:

EN 50178:1997
 PrEN 62109-1:2007
 IEC 62103:2003
 IEC 60364-7-712:2002 EN61000-6-2:2005
 DIN VDE0126-1:2006 EN61000-6-4:2007

Technical Parameters:

Model	EDO-N500KNT
DC Input	
Rated Power	500KW
Recommended Maximum array power	550KWp
Max. DC Voltage	880V
MPP Voltage Range	450-820Vdc
Max. Input Current	1200A
Max.number of string	16
AC Output	
Rated Output power	500KW
Max. Efficiency	98.8%
Euro efficiency	98.6%
Night power consumption	<100W
Power factor	>0.99
Output Voltage	270Vac
Grid frequency range	47.5—51.5Hz
Current THD	≤3%
Isolation method	No Isolation transformer
Connecting	Terminal block
Communication interface	RS485/RS232/GPRS/Ethernet
Display mode and language	Chinese and English Touch-screen LCD display
Work	Auto/Manual
Noise (dB)	<65
Main function	
Island protection	<2s
Short-circuit Protection	≤0.5S
Self-starting to restore grid-connecting	5min
Over current	Automatic protection when the output current exceeds 150% of the rated current
Under voltage Protection	YES
DC over—voltage protection	YES
Overheat protection	YES
Input polarity reverse protection	protect
Mode	MPPT/CVT
Environmental requirements and other	
Temperature	-20-45°C
Humidity	15%~95%
Cooling	Air-cooling
Protection level	Ip20(indoor)
Dimension (w/H/D)	2650/2200/850
Weight	2500kg