

Inverter

ZDNY3300-5000



Inverter Model	ZDNY3300	ZDNY4400	ZDNY5000
Input (DC)			
Max. recommended DC power [W]	3480	4580	5200
Max. DC voltage [V]	550	550	550
Total max. input current [A]	17.5	22	26
MPPT voltage range [V]	200~500	200~500	200~500
Min. DC Voltage / start voltage [V]	70 / 100	70 / 100	70 / 100
Number of MPP trackers / strings per MPP tracker	1 / 2	1 / 2	1 / 2
Output (AC)			
AC nominal power [W]	3000	4000	4600
Max. AC power [W]	3300	4400	5000
Nominal AC voltage; range [V]	230/180~270*	230/180~270*	230/180~270*
Max. AC current [A]	16	22	24
AC grid frequency; range [Hz]	50/47~52*	50/47~52*	50/47~52*
Power factor	1	1	1
Total harmonic distortion (THD)	<3% (nominal power)	<3% (nominal power)	<3% (nominal power)
Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
Euro-efficiency	96.5%	97.1%	96.8%
Max. efficiency	97.4%	97.6%	97.6%
General data			
Degree of protection	IP65	IP65	IP65
Cooling concept	Convection	Fan	Fan
Topology	transformerless	transformerless	transformerless
Internal consumption (night) [W]	0	0	0
Noise emission (typical) [dB]	<30	<40	<40
Communication interfaces	RS485 / RS232	RS485 / RS232	RS485 / RS232
LCD display	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD
Dimensions (W / H / D) [mm]	329 / 433 / 180	329 / 433 / 180	329 / 433 / 180
Weight [kg]	18.9	19.2	19.4
Operating temperature range [°C]	-20~+60 (derating at 45)	-20~+60 (derating at 45)	-20~+60 (derating at 45)
Standard warranty [year]	5	5	5
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