

Inverter

ZDNY1500-2800



Inverter Model	ZDNY1500	ZDNY2200	ZDNY2800
Input (DC)			
Max. recommended DC power [W]	1700	2300	3000
Max. DC voltage [V]	550	550	550
Total max. input current [A]	9	11	13.5
MPPT voltage range [V]	180~500	200~500	210~500
Min. DC Voltage / start voltage [V]	70 / 100	70 / 100	70 / 100
Number of MPP trackers / strings per MPP tracker	1 / 1	1 / 1	1 / 1
Output (AC)			
AC nominal power [W]	1500	2000	2600
Max. AC power [W]	1650	2200	2800
Nominal AC voltage; range [V]	220,230,240 ; 180~260	220,230,240 ; 180~260	220,230,240 ; 180~260
Max. AC current [A]	8.6	11	13.8
AC grid frequency; range [Hz]	50 / 60; -3, +1.5	50 / 60; -3, +1.5	50 / 60; -3, +1.5
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	95.8%	95.8%	96.0%
Max. efficiency	96.6%	96.6%	96.8%
General data			
Degree of protection	IP65	IP65	IP65
Cooling concept	Convection	Convection	Convection
Topology	transformerless	transformerless	transformerless
Internal consumption (night) [W]	0	0	0
Noise emission (typical) [dB]	<28	<28	<28
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]	332 / 450 / 161	332 / 440 / 161	332 / 440 / 161
Weight [kg]	13.5	14	14
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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