



X3

ZDNY-TL10000

ZDNY-TL12000

ZDNY-TL15000

ZDNY-TL17000

ZDNY-TL20000

INPUT (DC)	ZDNY-TL10000	ZDNY-TL12000	ZDNY-TL15000	ZDNY-TL17000	ZDNY-TL20000
Max.recommended DC power [W]	10260	12300	15370	17420	20500
Max. input DC voltage [V]	1000				
Max. input current [A]	A:22/B:11	A:22/B:11	A:22/B:22	A:22/B:22	A:22/B:22
MPPT voltage range [V]	320-800	380-800	350-800	400-800	480-800
Start input/output voltage [V]	220/400				
Number of MPP tracker/strings per MPP tracker	2/A:3 B:1	2/A:3 B:1	2/A:3 B:3	2/A:3 B:3	2/A:3 B:3
OUTPUT (AC)					
AC nominal power [VA]	10000	12000	15000	17000	20000
Max. AC power [VA]	10000	12000	15000	17000	20000
Normal AC voltage; range [V]	3/N/PE 230/400; 160-280				
AC grid frequency; range [Hz]	50; 44-55/60;55-65				
Max. AC current [A]	16	20	24	25	29
Power factor (full load)	0.9 leading ~ 0.9 lagging				
Total harmonic distortion(THD) [%]	<3				
POWER CONSUMPTION					
Standby consumption [W]	<10				
EFFICIENCY					
MPPT efficiency[%]	99.9				
Euro efficiency[%]	97.6				
Max. efficiency[%]	98.2				
SAFETY & PROTECTION					
Over voltage protection	YES				
Over current protection	YES				
DC isolation impedance monitoring	YES(optional)				
Ground fault current monitoring	YES				
DC injection monitoring	YES				
RCD protection	YES				
Safety	IEC62109-1/IEC62109-2/AS3100				
EMC	EN 61000-3-2/EN 61000-3-3/EN 61000-3-11/EN 61000-3-12/EN 61000-6-2/EN 61000-6-3				
Certification	G83;G59;VDE0126;VDE4105;CQC;IEC62172;IEC62116;IEC61683;IEC60068				
ENVIRONMENT LIMITS					
Protection class	IP65				
Operating temperature[°C]	-20~+60 (derating at 45)				
Humidity[%]	0~95 (non-condensing)				
Attitude[m]	2000				
Storage temperature[°C]	-20~60				
Noise emission[dB]	<50				
DIMENSION & WEIGHT					
Dimensions(W*H*D) [mm]	513 x 651.5 x 207				
Weight[Kg]	48	48	50.5	50.5	51
GENERAL DATA					
Topology	Transformerless				
Communication interface	RS485/RS232/WIFI(optional)/DRM				
Display	Backlight 240*160 point LCD				
Standard warranty[years]	5-10				
Cooling type	Forced-cooling				

*Can be modified without notice.(V2)