



# Xwatt

SOLAR ONGRID **INVERTER**



In built SPD on both side



Lower Start-up Voltage 50V



Fanless Natural Cooling System



Ingress Protection IP66



Remote Upgrade and Maintenance



Aluminium Die Cast Body



Anti Islanding Protection



Higher AC Range Upto 290V



Upto 150 % DC Over sizing



Supported upto 700Wp Panel



High Performance



Easier Communication with Local Mode / Wifi / GPRS

## XWATT ENERGY PRIVATE LIMITED

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## SINGLE PHASE DATASHEET

Description	XW-2.3k	XW-3.0k	XW-3.3k	XW-3.6k	XW-4.0k	XW-4.4k	XW-5.0k	XW-5.4k	XW-6.0k
<b>DC Input</b>									
Max. PV array input power [Wp]	3450	4500	4950	5400	6000	6600	7500	8100	9000
Max. PV input voltage [V]	550	550	550	550	550	550	600	600	600
Startup voltage [V]	50	50	50	50	50	50	50	50	50
Nominal input voltage [V]	360	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	40-550	40-550	40-550	40-550	40-550	40-550	40-560	40-560	40-560
No. of MPP trackers	1						2		
Strings per MPP tracker	1								
Max. PV input current [A]	16A						16A/16A		
Isc PV Array short circuit current [A]	22A						22A/22A		
<b>AC Output</b>									
Rated AC output power [W]	2300	3000	3300	3600	4000	4400	5000	5400	6000
Rated AC output current [A]	10	13.1	14.4	15.7	17.4	19.2	21.7	23.5	26.1
Max. AC output current [A]	11	15	15	18	20	22	25	27	27.3
Nominal AC voltage / AC voltage range [V]	230 ; 90-290								
Nominal AC frequency / AC frequency range [Hz]	50 ; ± 5%								
Power Factor range	0.8 Leading - 0.8 Lagging								
THDi (rated power) [%]	< 3								
<b>System Data</b>									
Max. Efficiency [%]	98%								
Euro. Efficiency [%]	97%								
Standby power consumption [W] @ Night	< 3								
Ingress protection	IP66								
Operating ambient temperature range [°C]	-20° C to 65° C								
Max. operation altitude [m]	4000								
Relative humidity [%]	0 to 100								
Typical noise emission [dB]	≤25								
Dimensions (W × H × D) [mm]	290 x 206 x 120						404 X 274 X 146		
Weight [kg]	5.2	5.5				11			
Cooling concept	Natural Cooling								
Communication interfaces	USB/RS484								
Monitoring	WiFi (Local Mode)/GPRS								
<b>Protection</b>									
Over / under voltage protection	Yes								
DC isolation protection	Yes								
Monitoring ground fault protection	Yes								
Grid monitoring	Yes								
DC injection monitoring	Yes								
Back feed current monitoring	Yes								
Residual current detection	Yes								
Anti-islanding protection	Yes								
Over temperature protection	Yes								
Surge Protection	<b>DC</b> Side Type II SPD / <b>AC</b> Side Type II SPD								
<b>Standard</b>									
Safety	IEC 62109-2:2011								
EMC	BIS (IS 16221-Part-2 :2015 ; IS 16169:2014)								
Warranty	10 years*								