OPENAX

French Brand

OXM Series

OXM350 400 450 500W/S-T1

Features

HIGHER YIELDS
60°C full power operation
Great performance in low sunlight

SAFETY&RELIABILITY
RSD Compliance
IP67

FLEXIBLE INSTALLATION
Designed for multiple applications

STRONG COMMUNICATION
Encrypted WiFi/Sub-1G Solution for Residential & Commercial

Technical Specifications

OXM-T1

Model	OXM350S-T1 OXM350W-T1	OXM400S-T1 OXM400W-T1	OXM450S-T1 OXM450W-T1	OXM500S-T1 OXM500W-T1
Input Data (DC)				
Commonly Module Power (W)	280 to 470+	320 to 540+	360 to 600+	400 to 670+
Operation Voltage Range (V)	14-63			
MPPT Voltage Range (V)[1]	16-60			
Start-up Voltage (V)	18			
Maximum Input Voltage (V)	63	63	63	63
Maximum Input Current (A)	11.3	13	14.68	16
Maximum Input Short Circuit Current (A)	20	25	25	25
Number of MPPTs	1			
Number of Inputs per MPPT	1			
Output Data (AC)				
Rated Output Power (VA)	350	400	450	500
Rated Output Current (A)	1.69	1.92	2.18	2.41
Maximum Units per 2.5mm² Branch[2]	15	13	12	11
Maximum Units per 4mm² Branch[2]	21	18	16	14
Nominal Output Voltage (V)[3]	230/240			
Nominal Frequency (Hz)	50			
Power Factor (adjustable)	>0.99(default)			
Total Harmonic Distortion	<3%			
Efficiency				
CEC Peak Efficiency	96.80%	96.80%	96.60%	96.60%
Nominal MPPT Efficiency	99.80%			
Nighttime Power Consumption (mW)	< 50			
Packing Configuration				
Container	20'GP/ 40'HQ			
Pieces/Pallet	1090*1135			
Pallets per Container	20 / 40			
Pieces per Container	4800/10800			
General Data				
Ambient Temperature Range (°C)	-40 to +65			
Altitude (m)	2000			
Dimensions (W x H x D mm)	181 × 203 × 31			
Weight (kg)	1.75			
Enclosure rating	Outdoor IP67 (NEMA6)			
Cooling	Natural Convection (no fans)			
Communication	WIFI(W-T1) / Sub-1G(S-T1)			
Monitoring	OPENAX Cloud[4]			
Type of Isolation	Galvanically Isolated			
Compliance	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/-2/-3/-4, EN50549-1: 2019, VDE-AR-N 4105: 2018, CEI0-21, TOR Erzeuger, R25: 2019, EN 300 220-1/-2, EN300328, EN301489-1/-3/-17, EN62311, C10/11, PN-EN50549-1: 2019, NC-RfG, ORDINANCE 140_2022			

*1 The output power may vary with the output voltage.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Nominal voltage/frequency can vary depending on local requirements.
*4 OPENAX Cloud Monitoring System.

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