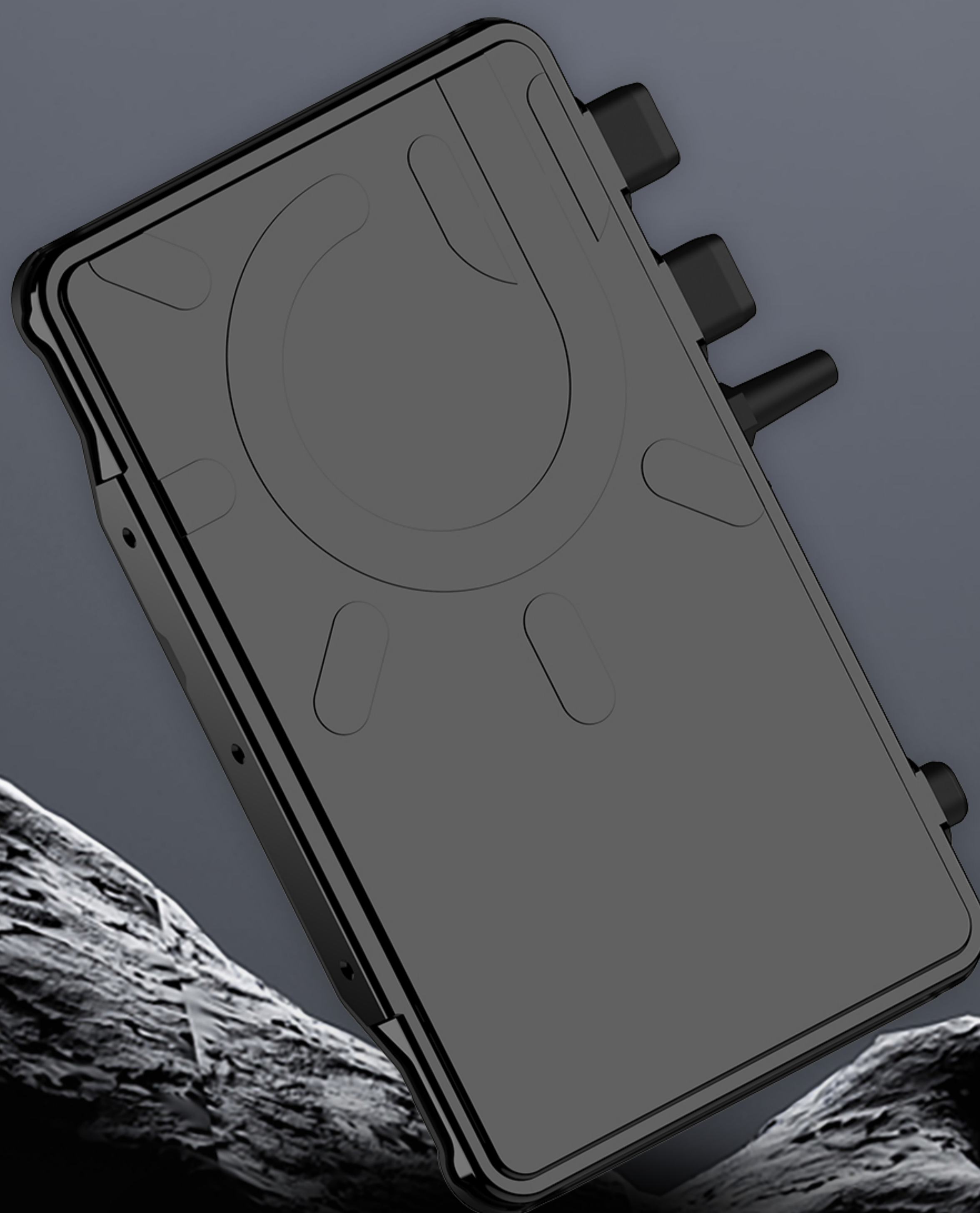


EQ Microinverter 1T2



INTRODUCTION

A plug-and-play solution for home solar energy—ideal for balconies and other residential settings. No professional installation required. With module-level MPPT and app-based monitoring, you get maximum efficiency and smart, AI-powered energy management.

- **Rapid Deployment, Intelligent Control**

Plug-and-Play: Setup in 3 min
Bluetooth Quick Connection
Real-Time Monitoring via Mobile App

- **Maximum Efficiency, Superior Performance**

Peak Efficiency 97.5%
More Power in Low Light (+3h/day)
MPPT Efficiency 99.80%

- **Secure Design, Trusted Reliability**

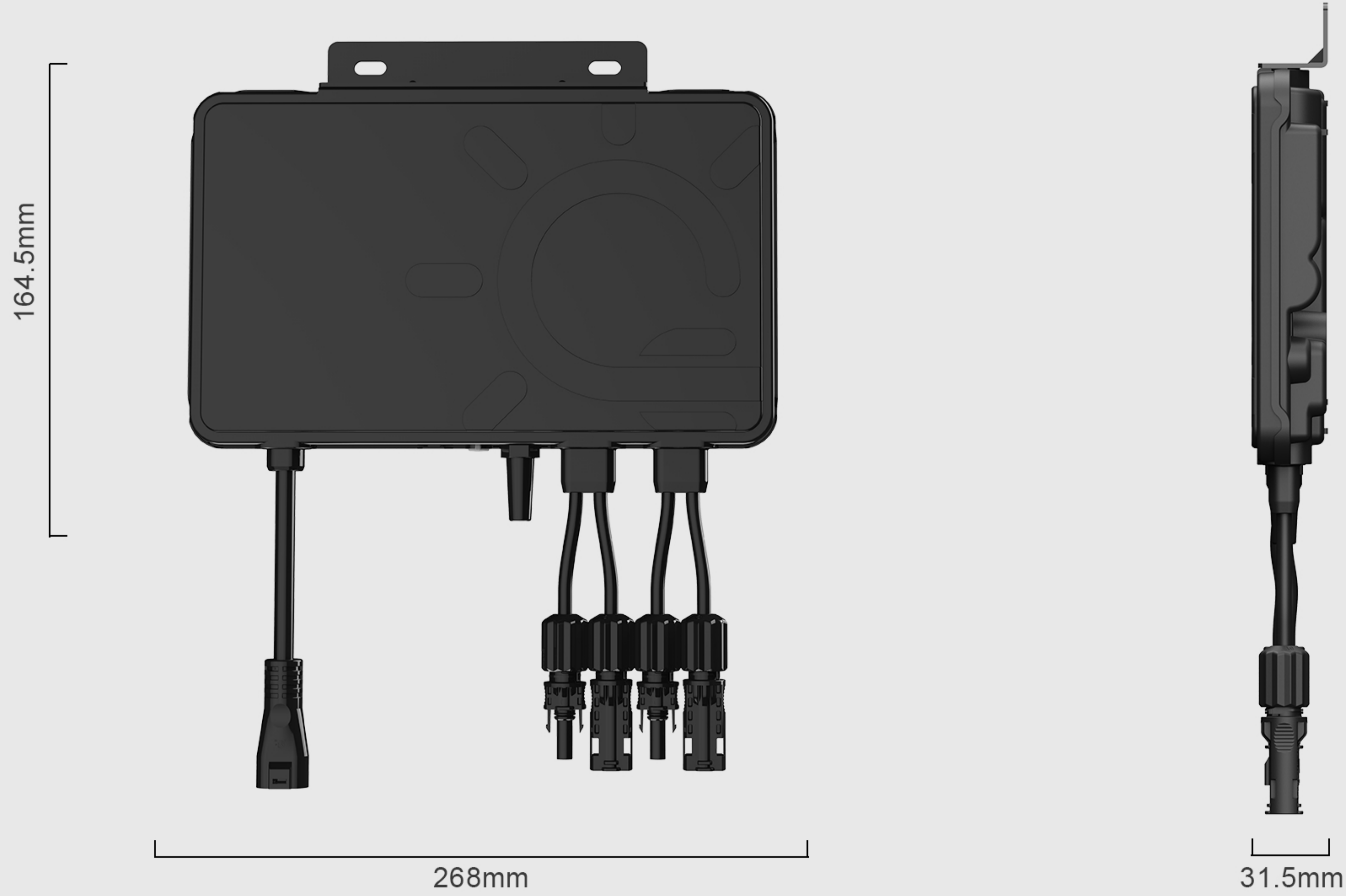
DC Voltage \leq 60V
IP67 Protection Rating
15-Year Warranty

- **High Density, Lightweight Build**

Compact Design
30% Smaller than Industry Average
Lightweight Build, Only 2.85kg
30% Lighter than Industry Average

Model	Unit	EQ-800-W	EQ-1000-W
Input (DC)			
PV module compatibility	W	(400-700)*2	(400-700)*2
Maximum input voltage	V	60	
Minimum starting voltage	V	22	
Operating voltage range	V	12~60	
MPPT voltage range	V	16~58	
Maximum continuous input DC current	A	20×2	
Maximum input DC short circuit current	A	25×2	
MPPT quantity	/	2	
Oversoltage class of DC port	/	II	
Output (AC)			
Peak output power	VA	880	1000
Rated output apparent power	VA	800	1000
Rated output voltage/range	V	230/184~276	
Rated output current	A	3.48	4.55
Rated frequency	Hz	50	
Extended frequency range	Hz	±5	
Default power factor	/	> 0.99	
Power factor (adjustable)	/	0.8 leading~0.8 lagging	
Total harmonic distortion (THD)	/	< 3%	
Efficiency parameter			
Peak efficiency	/	97.5%	
European efficiency	/	96.8%	
MPPT efficiency	/	99.8%	
General parameters			
Ambient temperature	°C	-40~+65	
Storage temperature	°C	-40~+85	
Relative humidity range	RH	0%~100%	
DC interface type	/	MC4	
Dimensions (width × height × depth) (excluding Mounting plate)	mm	268×164.5×31.5	
Net weight (excluding Mounting plate)	Kg	2.85	
Enclosure protection class	/	IP67	
Cooling method	/	Natural heat dissipation	
Pollution class	/	Class 3	
Altitude	m	4000	
Others			
Communication mode		WIFI, Bluetooth	
Isolation mode		Transformer isolation	
Compliance			
Security		IEC/EN 62109-1, IEC/EN 62109-2	
EMC		IEC/EN 61000-6-1, IEC/EN 61000-6-3	
Certification (power grid compliance)		EN 50549-1, VDE-AR-N 4105, DIN VDE V 0124-100, TOR typeA+R25	
Warranty			
Limited warranty		15 years	

Dimensions of EQ Microinverter 1T2



Balcony PV Application Scenario Diagram

