



Single-Phase Microinverter

EQ3 Series (350W~500W)



Small product size
Easy to install



High reliability
IP67



High conversion efficiency
Peak efficiency 96.5%



WiFi communications
Component-level monitoring

Technical Specifications

EQ3 Series				
Model*1	EQ3-350-1S EQ3-350-1D	EQ3-400-1S EQ3-400-1D	EQ3-450-1S EQ3-450-1D	EQ3-500-1S EQ3-500-1D
Input Data (DC)				
Commonly used module power	280~470 W	320~540 W	360~600 W	400~670 W
MPPT voltage range	16~60 V			
Start-up voltage	22 V			
Maximum input voltage	60 V			
Maximum input short circuit current	25 A			
Number of MPPTs	1			
Maximum input current	13 A	14 A	15 A	16 A
Output Data (AC)				
Rated output power	350 VA	400 VA	450 VA	500 VA
Rated output current	1.59/1.52/1.46 A	1.82/1.74/1.67 A	2.05/1.96/1.88 A	2.27/2.17/2.08 A
Nominal AC voltage/range*2	LN-PE, 220/230/240 V, 180~275 V			
Nominal frequency/range*2	50/45~55 Hz, 60/55~65 Hz			
Power factor (adjustable)	>0.99(default), 0.8 leading/0.8 lagging			
Total harmonic distortion	<3%			
Maximum units per 10AWG branch*3	26	22	20	18
Maximum units per 12AWG branch*3	18	16	14	12
Efficiency				
Maximum efficiency	96.7%	96.7%	96.5%	96.5%
Nominal MPPT efficiency	99.8%			
Night power consumption	50 mW			
General Data				
Enclosure rating	Outdoor IP67			
Cooling	Natural Convection (no fans)			
Communication	Built-in WIFI-2.4G			
Monitoring	Solar of Things			
Type of Isolation	Transformer Isolation			
Ambient temperature range	-40 to +65°C			
Dimensions (W x H x D)	175 x 165 x 34 mm (Not include handle)			
Weight	1S: 2.1Kg 1D: 2.6Kg			
Warranty*4	12 years			

Note: *1: S stands for AC single-ended output line;D stands for AC double-ended output line.
*2: Nominal voltage/frequency range can vary depending on local requirements.
*3: AC single-ended output line only;The default AC double-ended output line bus is 12AWG.
*4: Standard 12-year warranty, extendable up to 25 years.

