

HCFA



Single-Phase Microinverter

EQ3 Series (700W~1000W)



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	EQ3-700-2S EQ3-700-2D	EQ3-800-2S EQ3-800-2D	EQ3-900-2S EQ3-900-2D	EQ3-1000-2S EQ3-1000-2D
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	2×25 A			
Number of MPPTs	2			
Maximum input current	2×13 A	2×14 A	2×15 A	2×16 A
Output Data (AC)				
Rated output power	700 VA	800 VA	900 VA	1000 VA
Rated output current	3.18/3.04/2.92 A	3.64/3.48/3.33 A	4.09/3.91/3.75 A	4.55/4.35/4.17 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	13	11	10	9
Maximum units per 12AWG branch*3	9	8	7	6
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)	250×180×34 mm (Not include handle)			
Weight	2S: 3Kg 2D: 3.5Kg			
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.

