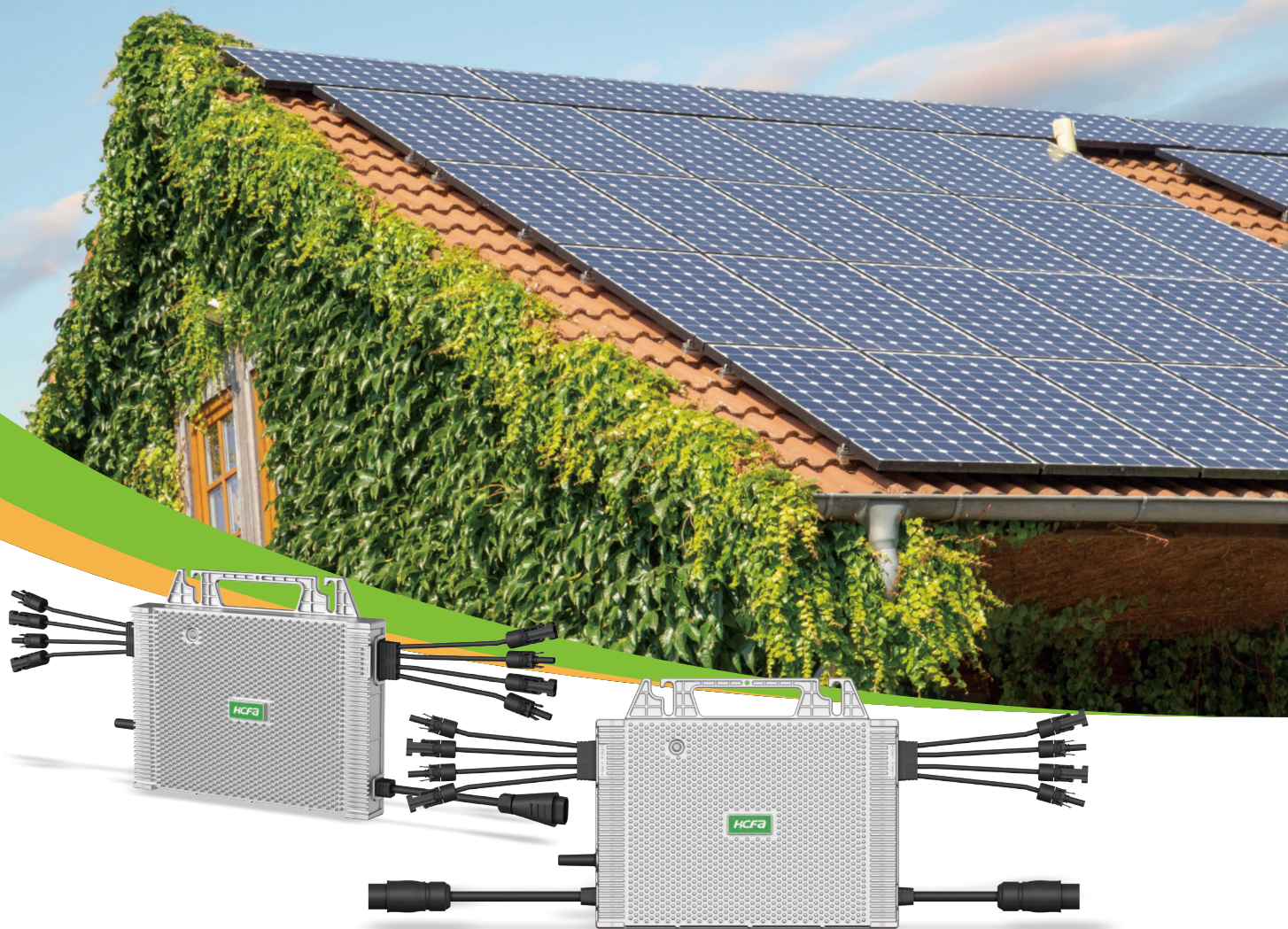


HCFA



Single-Phase Microinverter

EQ3 Series (1400W~2000W)



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	EQ3-1400-4S EQ3-1400-4D	EQ3-1600-4S EQ3-1600-4D	EQ3-1800-4S EQ3-1800-4D	EQ3-2000-4S EQ3-2000-4D
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	4×25 A			
Number of MPPTs	4			
Maximum input current	4×13 A	4×14 A	4×15 A	4×16 A
Output Data (AC)				
Rated output power	1400 VA	1600 VA	1800 VA	2000 VA
Rated output current	6.36/6.08/5.83 A	7.27/6.96/6.67 A	8.18/7.83/7.5 A	9.09/8.70/8.33 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	4	4	4	3
Maximum units per 12AWG branch*3	2	2	2	2
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)	327 x 270 x 43 mm (Not include handle)			
Weight	4S: 4.8Kg 4D: 5.0Kg			
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.

