



HS-400 W MICROINVERTER



EFFICIENCY, SECURITY AND PROTECTION

Highest microinverter efficiency	92.70%
CEC weighted efficiency	92.50%
Nominal MPPT efficiency	99.80%
Night power consumption (mW)	< 50

MECHANICAL DATA

Ambient temperature range	-20 to +50 °C -4 to 122 °F
Storage temperature range	-20 to +50 °C -4 to 122 °F
Dimensions (length x width x height)	165x176x38 mm 6.5x6.9x1.5 in
Weight	0.82 kg 1.8 lbs
Waterproof level	Outdoor Nema 3r (ip65)
Cooling method	Natural Convection (no Fans)
Degree of pollution	PD3

SPECIAL FEATURE

Power-Delivery-Modus	Reverse transmission, load priority
Communication method	Wi-Fi
Surveillance system	Cloud Intelligence
Guarantee	5 years
Electrical standard	Cloud Intelligence

EN 50549-1:2019, EN 50549-2:2019 | EN 61000-6-1:2007, EN 61000-6-3:2007 + A1:2011 + AC2012 IEC/EN 62109-1:2010, IEC/EN 62109-2:2011

DC INPUT

Model	WVC-300	WVC-350	WVC-400
Common module power (v)	Max 375W	Max 435W	Max500W
Peak power MPPT voltage range (v)	30-60		
Starting voltage (v)	22		
Operating voltage range (v)	22-60		
Maximum input voltage (v)	60		
Maximum input current (A)	13.7	16	18
Maximum input short circuit current (A)	15	18	20
Maximum array feedback current (A)	0		

AC OUTPUT

Model	WVC-300	WVC-350	WVC-400
Rated output current (A)	120V 2.5A 230V 1.3A	120V 2.9A 230V 1.5A	120V 3.3A 230V 1.7A
Nominal output voltage range (v)	120V 85-160VAC 230V 180-265VAC		
Nominal frequency range (Hz)	120V 48-51Hz/58-61Hz 230V 48-51Hz/58-61Hz		
Power factor	>0.99 default 0.8 leading...0.8 lagging		
Output current harmonic distortion	<3%		
Maximum unit per store	120V 15PCs 230V 25PCs	120V 15PCs 230V 25PCs	120V 15PCs 230V 25PCs

PACKAGE

WVC-300/WVC-350	Single (packaging)	FCL (15 units)
Gross weight	1.05 kg 2.3 lbs	16.2 kg 35.7 lbs
Dimensions	245x202x60mm 9.6x7.9x2.4 in	450x395x345mm 17.7x15.5x13.6 in