



SOLIX RS40P

DIY Balcony Solar Power System

Tilt Mount Kit

2er-Pack

445W Photovoltaic

“Extreme efficient & safe.”

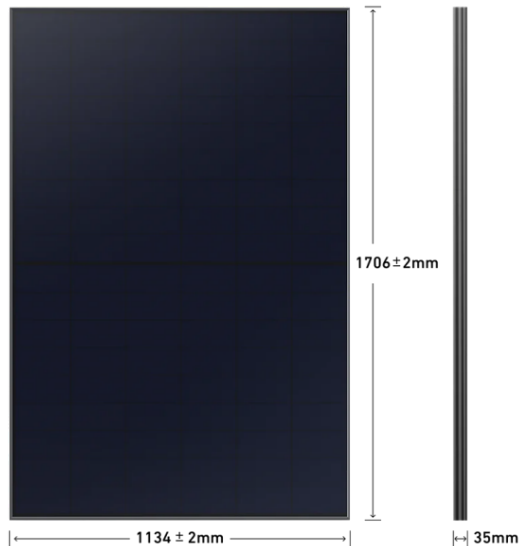
Specifications

Product Model

PN	A5507
Model Name	RS40P Rigid Solar Panel

Electrical Characteristics(STC)

Maximum Power- Pmax(W)	445
Open Circuit Voltage - Voc(V)	40
Short- Circuit Current - Isc(A)	13.8
Voltage at Pmax -Vmp(V)	34.56
Current at Pmax - Imp(A)	12.77
Module Efficiency	22.70%
Power Tolerance(W)	(0, +5W)
Maximum System Voltage(V)	1500Vdc (IEC)
Maximum Series Fuse Rating (A)	25A



Specifications

Mechanical Specifications

External Dimensions	1706x1134x35mm
Weight	22Kg
Solar Cells	Mono crystalline 108(6x18)
Front Glass	AR Coated Glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.242%/°C
Isc Temperature Coefficient	+0.054%/°C
Operating Temperature	-40~+85°C

Certification & Compliance

Tested by TUV Rheinland	CE LV Directive 2014/35/ EU
Tested by TUV Rheinland	IEC 61215, IEC 61730

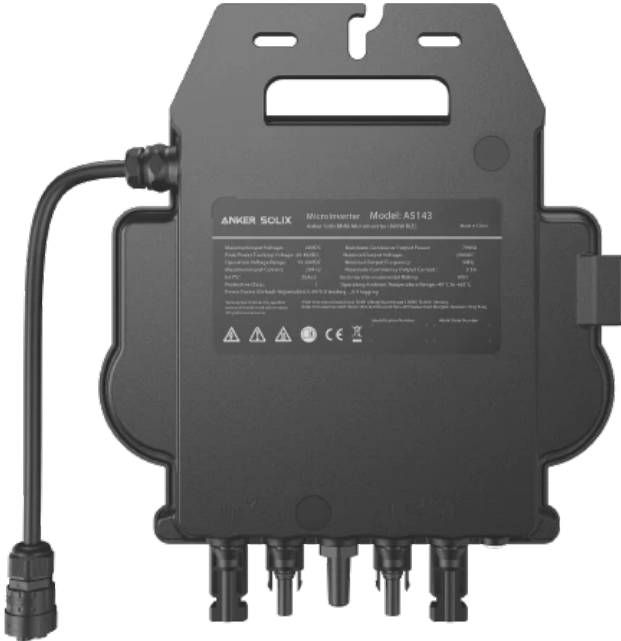
Specifications

Product Model

PN	A5143
Model Name	Anker SOLIX MI80 Microinverter (800W BLE)

System Specs

CEC Efficiency	97.3%
Night Time Tire Loss(W)	0.02
Over/Under Voltage Protection	Yes
Over/Under Frequency Protection	Yes
Anti-Islanding Protection	Yes



Specifications

Power Inputs(DC)

Max Recommended PV Power(Wp)	700x 2
Max DC Open Circuit Voltage(Vdc)	60
Max DC Input Current (Adc)	20 x 2
MPPT Tracking Accuracy	>99.5%
MPPT TrackingRange(Vdc)	28-45
Isc PV (absolute maximum) (Adc)	25 x 2
Maximum Inverter Backfeed Current to the Array (Adc)	0

Power Outputs(AC)

Max AC Output Power(Wac)	800
Nominal Power Grid Voltage (Vac)	230
Allowable Power Grid Voltage(Vac)	configurable*
Allowable Power Grid Frequency(Hz)	configurable*
THD	<3%(at rated power)
Power Factor	>0.99(at rated power)
Rated Output Current (Aac)	2.61/3.5
Current (inrush)(Peak and Duration)	24A, 15us
Rated Frequency (Hz)	50

Certification & Compliance

Grid Code Compliance* (Refer to the label for the detailed grid code compliance)

6OVE-Richtlinie R 25:2020
VDE-AR-N 4105:2018
DIN VDE V 0124-100 (VDE V 0124-100):2020

Specifications



Schuko Cable

PN	A5602
Quantity	1
Connector	EN100 to Schuko
Length	5m



QC4 Cable

PN	A5600
Quantity	4
Connector	QC4 Female to QC4 Male
Length	1.5m

Specifications



Solar Panel Tilt Mount

PN	A5650
Quantity	4
Material	Carbon Steel
Net Weight of a Set	17.5kg

Main Components' Size

U-shaped Rack	217mm*45mm*1.5mm
Vertical Support Scaffolding	1100mm*110mm*1.5mm
Solar Panel Support Beam	1200mm*108mm*1.5mm
Lower Support Beam	618mm*102mm*1.5mm
Fastening Clamp	130mm*48mm*1.5mm
Limit Supports	92mm*40mm*2mm