

RESIDENTIAL ON GRID

3KW-5KW-10KW

Product Benefits

- Generate your own electricity from home and reduce your electric bill
- Increase the value of your home
- Hedge yourself against future utility increases
- Reduce your carbon footprint

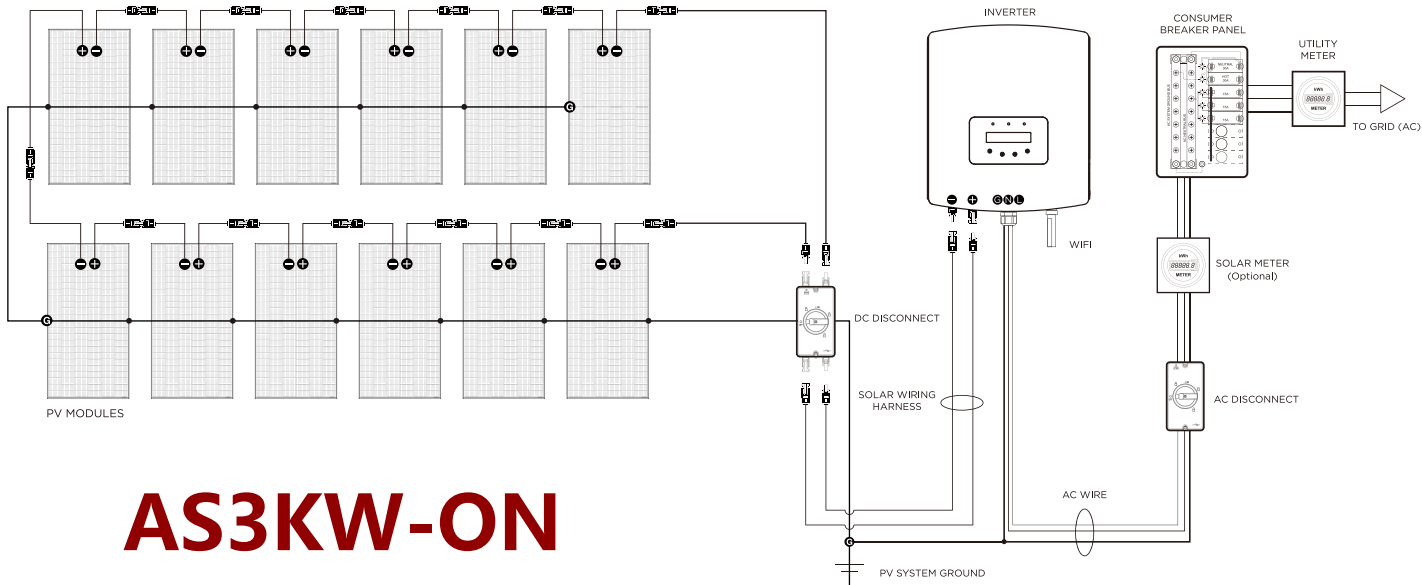


PV Kits Include

- Solar modules
- Solar on-grid inverter
- Custom mounting system
- PV & ground wiring harnesses
- DC and AC disconnects
- Wire management kits

Common Application

- Homes
- Apartments
- Garages
- Out buildings
- Villas



AS3KW-ON

PRODUCT MODEL	AS3KW-ON	AS5KW-ON	AS10KW-ON
PV System Size Nominal(kWp)	3.3	5.5	11

PV MODULE SPECIFICATIONS(*Mono)

Power (W)	580
Vmp (V)	43.86
Voc (V)	53.05
Isc (A)	13.78
Imp (A)	13.23
Dimensions (L x W x H)(mm)	2279*1134*30
PV Module weight (kg)	22.44
Certifications	CE / TUV(IEC 61215 & IEC 61730) / UL (UL1703)

*Polycrystalline PV modules also available up on request

INVERTER SPECIFICATIONS

Inverter Size (kW)	3	5	10
Max DC Power (W)	4200	7000	15000
Max DC Voltage (V)	550	550	600
MPPT Voltage Range (V)	65-550	80-550	60-550
No.of MPPTS	2	2	3
No. of PV strings per MPp tracker	1	1	1/1/2
Max AC Power (kVA)	3	5	10
Max Output Current (A)	14.3	22.7	45.5
AC Nominal Voltage/Voltage Range (V)		230 / 180-280	
AC Grid Frequency Range (Hz)		50 / 60	
Number of Phases		1	
Dimensions (W x Hx D)(mm)	274 x 254 x 138	375 x 350 x 160	425 x 387 x 180
Inverter Weight (kg)	6.2	10.8	18.2
Certifications	UL 1741 / UL 1998 / UL 1699B / IEEE 1547 / FCC Part 15 (Class A & B) / CAN / CSA C2 EN50438 / G83 / 2 / G59 / 3 / AS4777.2:2015 / VDE0126-1-1 / IEC61727 / VDEN4105		

*120V/240V UL inverters also available upo n request

BOS

DC/AC Disconnect	1/1	2/1	4/1
*PV Wire Harness - 4mm (m)	100	200	400
*Ground Wire - 4mm (m)	30	50	100

*Extra wire is available up request

SYSTEM LAYOUT

Number of Modules	6	10	20
Number of Inverters	1	1	1
PV Array Surface Area (m²)	16.5	29	58
PV Array Weight (kg)	171.6	286	572
PV Module String Configuration 600VDC	No. of PV Modules/ String	6	5
	Total Strings	1	2
	String Voc(V)	318.30	265.25
	String Vmp (V)	263.16	219.30
		String Imp (A)	13.23

PRODUCTION ESTIMATES (kWh AC)

*Projectd Yearly Output at 4 PSH/ Day	13.2	22	44
*Projectd Yearly Output at 5 PSH / Day	16.5	27.5	55
*Projectd Yearly Output at 6 PSH/ Day	19.8	33	66

*Based on 85% system efficiency (formula = DC Power x Peak Sunshine Hours / Day x Systemn Efficiency) (PSH = Peak Sunshine Hours)

SYSTEM OPTIONS

Monitoring Device	Wi-Fi Model or GPRS Model
PV Module Type	Monocrystalline(Poly also available upon request)
Mounting System Types	Metal Roof, Asphalt Shingle, Tile Roof, Tin Roof, Flat Concrete Roof, Ground

SHIPPING

PV Kit Weight (kg)	260	430	860
PV Kit Shipping Size(L x W x H)(m)	2CBM	3CBM	4CBM
Total Number of Boxes	1	1	2

*Specs are subject to change without further notification