

COMMERCIAL ON GRID

10KW-20KW-30KW-50KW-100KW-500KW

Product Benefits

- Hedge yourself against future utility increases
- Sell excessive power back to the utility grid (requires net metering)
- Solar modules have up to a 25 years warranty and a typical lifetime of 40+ years
- Reduce your building's operating costs
- Low maintenance/high reliability

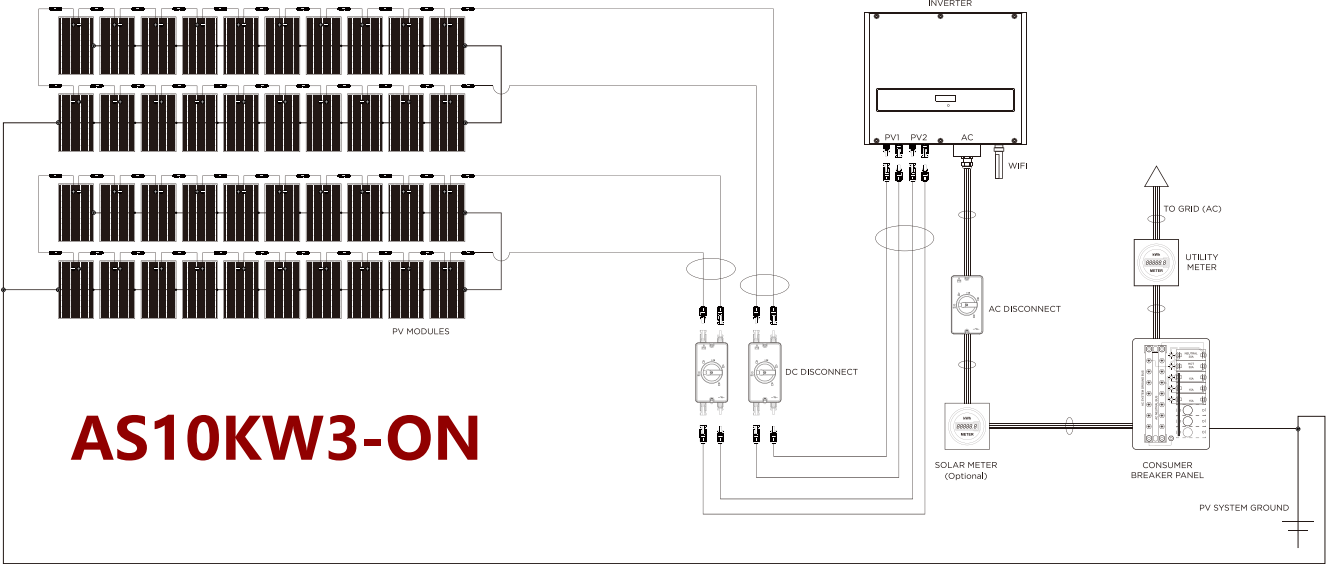


PV Kits Include

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

Common Application

- Factories
- Libraries
- Distribution centers
- Warehouses
- Shopping centers
- Schools
- Office buildings



AS10KW3-ON

PRODUCT MODEL	AS10KW3-ON	AS20KW3-ON	AS30KW3-ON	AS50KW3-ON	AS100KW3-ON	AS500KW3-ON
PV System Size Nominal(kWp)	11	22	33	55	110	550

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)	10	20	30	50	50	50
Total Number of Inverters	1	1	1	1	2	10
Max DC Power (W)	15	30	45	75	75	75
Max DC Voltage (V)	1000	1100	1100	1100	1100	1100
MPPT Voltage Range (V)	140-1000	160-1000	200-1000	200-1000	200-1000	200-1000
No.of MPPTS/Max Strings	2/1	2/2	3/2	3/10	3/10	3/10
Max AC Power (kVA)	11	22	30	75	75	75
Max Output Current (A)	16.7	31.9	50.5	55.5	55.5	55.5
AC Nominal Voltage/Voltage Range (V)	220 / 380	220 / 380	230 / 400 (340-440)	230 / 400 (340-440)	230 / 400 (340-440)	230 / 400 (340-440)
AC Grid Frequency Range (Hz)		50 / 60		50 / 60	50 / 60	50 / 60
Number of Phases		3		3	3	3
Dimensions (W x H x D)(mm)	425 x 387 x 178	525 x 395 x 222	580 x 435 x 230	680 x 508 x 281	680 x 508 x 281	680 x 508 x 281
Inverter Weight (kg)	14	23	29.5	52	52	52
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 upon request

BOS

DC/AC Disconnect	2/1	4/1	6/1	10/1	20/2	100/10
*PV Wire Harness - 4mm (m)	200	400	600	1000	2000	10000
*Ground Wire - 4mm (m)	100	100	200	300	400	1000

*Extra wire is available up request

SYSTEM LAYOUT

Number of Modules	20	40	60	100	200	500
Number of Inverters	1	1	1	1	2	10
PV Array Surface Area (m²)	58	116	174	336	680	1700
PV Array Weight (kg)	572	1144	1716	2860	5720	14300
PV Module String Configuration 600VDC	No. of PV Modules/ String	5	10	10	10	10
	Total Strings	4	4	6	10	20
	String Voc(V)	265.25	530.50	318.30	265.25	265.25
	String Vmp (V)	219.30	438.60	263.16	219.30	219.30
	String Imp (A)	13.23	13.23	13.23	13.23	13.23

PRODUCTION ESTIMATES (kWh AC)

*Projectd Yearly Output at 4 PSH/ Day	44	88	132	220	440	2200
*Projectd Yearly Output at 5 PSH / Day	55	110	165	275	550	2750
*Projectd Yearly Output at 6 PSH/ Day	66	132	198	330	660	3300

*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 or Polycrystalline 60 / 72 Cells
Mounting System Types	Metal Roof, Asphalt Shingle, Tile Roof, Tin Roof, Flat Concrete

*Specs are subject to change without further notification