Hangzhou Dongke New Energy Technology Co.,Ltd.
杭州东科新能源科技有限公司

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SOLAR ENERGY

Hangzhou Dongke
New Energy Technology Co.,Ltd.
杭州东科新能源科技有限公司

Company profile

Hangzhou dongke new energy technology co.,ltd.is a professional manufacture solar panel /pv module, and providing on or off grid solar systems for custerms. The products of company have certificatees of ISO 9001/TUV nord.

Products of dongke has been exported to Europe, Middle East, Australia more than **50countries.**

We supply with reasonable price, product of high-quality and good after-sales service.

Expect to have the long time business cooperation with you.

DK Mono-crystalline Silicon Solar Modules

Module Type	Diamention	Vmp(V)	Imp(A)	Voc(V)	Isc(A)
5W	250*190*17	17.5	0.29	21.6	0.33
10W	360*240*17	17.5	0.58	21.6	0.65
15W	360*350*17	17.5	0.86	21.6	0.97
20W	360*450*25	17.5	1.15	21.6	1.3
30W	360*645*25	17.5	1.72	21.6	1.93
40W	450*670*25	17.5	2.29	21.6	2.59
50W	540*670*30	17.5	2.86	21.6	3.23
60W	540*670*30	17.5	3.43	21.6	3.87
70W	1000*540*30	17.5	4	21.6	4
80W	1030*540*30	17.5	4.58	21.6	4.58
100W	1200*540*30	17.5	5.72	21.6	6.46
120W	1130*680*30	17.5	6.86	21.6	7.75
150W	1480*680*35	18.62	8.06	22.33	9.1
200W	1330*992*40	24.4	8.2	30.4	8.77
250W	1640*992*40	30.96	8.07	37.92	8.62
300W	1956*992*45	37.13	8.08	46.11	8.64
350W	1946*1176*40	43.54	8.04	51.94	8.97

DK Poly--crystalline Silicon Solar Modules

Module Type	Diamention	Vmp(V)	Imp(A)	Voc(V)	Isc(A)
5W	250*190*17	17.5	0.29	21.6	0.33
10W	360*240*17	17.5	0.58	21.6	0.65
15W	360*350*17	17.5	0.86	21.6	0.97
20W	360*450*25	17.5	1.15	21.6	1.3
30W	360*645*25	17.5	1.72	21.6	1.72
40W	450*670*25	17.5	2.29	21.6	2.59
50W	540*670*30	17.5	2.86	21.6	3.23
60W	510*700*30	17.5	3.43	21.6	3.87
70W	1000*510*30	17.5	4	21.6	4.52
80W	770*670*30	17.5	4.58	21.6	5.17
100W	1200*540*30	17.5	5.72	21.6	6.46
120W	1130*680*30	17.5	6.86	21.6	7.75
150W	1480*680*35	18.23	8.22	21.87	9.5
180W	1330*992*35	24.33	7.23	29.43	8.27
200W	1330*992*40	25.42	7.87	30.14	8.48
250W	1640*992*40	30.39	8.23	36.97	9.29
300W	1956*992*45	36.19	8.39	45.67	8.81
350W	1946*1176*40	43.7	8.01	52.44	8.49

DKM72PCS

350W/340W/330W/320W/310W/300W

PRODUCT SPECIFICATION

QUALITY DESIGN | GREAT DURABILITY | EASY INSTALLATION

- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 quality management system standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirement of customers

WARRANTIES

10 years for product defects in material & workmanship

10 years for 90% of warranted minimum power output

25 years for 80% of warranted minimum power output

25 years linear warranty

DKM72PCS 350W/340W/330W/320W/310W/300W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m^2, Cells Temperature 25℃)

Typical type	350W	340W	330W	320W	310W	300W
Max power(Pmax)	350	340	330	320	310	300
Max power voltage(Vmp)	47.29	46.91	46.34	37.6	37.52	37.13
Max power current(Imp)	38.59	38.17	37.57	8.51	8.27	8.08
Open circuit voltage(Voc)	9.55	9.41	9.29	46.62	46.46	46.11
Short circuit current(Isc)	9.07	8.91	8.78	8.94	8.7	8.64
Module Efficiency(%)	18.00	17.54	17.02	16.50	16.00	15.46
Max system voltage	DC1000V					
Maximum Series Fuse Rating	15A					

Mechanical Data

Dimensions	1956x992x40mm/45mm
Weight	23kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm^2 symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Mono Crystalline Silicon 156mmx156mm
Number of cells	72 cells in series

Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.037% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.48%) / ℃
Operating temperature	(-40~+85%) ℃
Normal operating cell temperature	45±2℃

Packing Configuration

Container	20'GP	40'GP	40'HQ
Pieces per pallet	38	38	46
Pallets per container	5	11	11
	190	418	506

Tests,Certifications and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	TUV,CE,MCS,PV CYCLE,CEC,CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

Dimensions and Structure

I-V Curve

I-V Curves at different irradiance

I-V Curves at different temperature

DKP72PCS

325W/320W/310W/305W/300W

PRODUCT SPECIFICATION

QUALITY DESIGN | GREAT DURABILITY | EASY INSTALLATION

- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 quality management system standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirement of customers

WARRANTIES

10 years for product defects in material & workmanship

10 years for 90% of warranted minimum power output

25 years for 80% of warranted minimum power output

25 years linear warranty

DKP72PCS 325W/320W/310W/305W/300W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m^2, Cells Temperature 25℃)

Typical type	325W	320W	310W	305W	300W
Max power(Pmax)	325	320	310	305	300
Max power voltage(Vmp)	46.48	45.82	45.45	45.35	45.20
Max power current(Imp)	37.17	37.56	37.00	36.71	36.41
Open circuit voltage(Voc)	9.05	9.03	8.85	8.79	8.73
Short circuit current(Isc)	8.74	8.52	8.38	8.31	8.24
Module Efficiency(%)	16.77	16.51	15.99	15.73	15.48
Max system voltage	DC1000V				
Maximum Series Fuse Rating	15A				

Mechanical Data

Dimensions	1956x992x40mm/45mm
Weight	23kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm^2 symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Poly Crystalline Silicon 156mmx156mm
Number of cells	72 cells in series

Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.045% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.47%) / ℃
Operating temperature	(-40~+85%) ℃
Normal operating cell temperature	45±2℃

Packing Configuration

Container	20'GP	40'GP	40'HQ
Pieces per pallet	38	38	46
Pallets per container	5	11	11
	190	418	506

Tests,Certifications and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	TUV,CE,MCS,PV CYCLE,CEC,CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

Dimensions and Structure

I-V Curve

I-V Curves at different irradiance

I-V Curves at different temperature

DKM60PCS

285W/280W/270W/260W/250W

PRODUCT SPECIFICATION

QUALITY DESIGN | GREAT DURABILITY | EASY INSTALLATION

- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 quality management system standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirement of customers

WARRANTIES

10 years for product defects in material & workmanship

10 years for 90% of warranted minimum power output

25 years for 80% of warranted minimum power output

25 years linear warranty

DKM60PCS 285W/280W/270W/260W/250W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m^2, Cells Temperature 25℃)

Typical type	285W	280W	270W	260W	250W
Max power(Pmax)	285	280	270	260	250
Max power voltage(Vmp)	39.05	38.85	38.30	37.98	37.66
Max power current(Imp)	32.13	31.88	31.21	30.55	29.94
Open circuit voltage(Voc)	9.53	9.33	9.16	9.04	8.92
Short circuit current(Isc)	8.91	8.78	8.65	8.51	8.35
Module Efficiency(%)	17.42	17.12	16.51	15.90	15.29
Max system voltage	DC1000V				
Maximum Series Fuse Rating	15A				

Mechanical Data

Dimensions	1640x992x40/35mm
Weight	18kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm^2 symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Mono Crystalline Silicon 156mmx156mm
Number of cells	60 cells in series

Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.037% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.48%) / ℃
Operating temperature	(-40~+85%) ℃
Normal operating cell temperature	45±2℃

Packing Configuration

Container	20'GP	40'GP	40'HQ
Pieces per pallet	46	46	56
Pallets per container	6	14	14
	276	644	784

Tests,Certifications and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	TUV,CE,MCS,PV CYCLE,CEC,CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

Dimensions and Structure

I-V Curve

I-V Curves at different irradiance

I-V Curves at different temperature

DKP60PCS

285W/280W/270W/260W/250W

PRODUCT SPECIFICATION

QUALITY DESIGN | GREAT DURABILITY | EASY INSTALLATION

- Industry leading module power output warranty
- International quality, safety and performance certifications
- Manufacturing facility certified to ISO9001 quality management system standards
- Beautiful appearance, good durability & easy installation
- Special design in accordance with requirement of customers

WARRANTIES

10 years for product defects in material & workmanship

10 years for 90% of warranted minimum power output

25 years for 80% of warranted minimum power output

25 years linear warranty

DKP60PCS 285W/280W/270W/260W/250W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m^2, Cells Temperature 25℃)

Typical type	285W	280W	270W	260W	250W
Max power(Pmax)	285	280	270	260	250
Max power voltage(Vmp)	39.05	38.85	38.30	37.98	37.66
Max power current(Imp)	32.13	31.88	31.21	30.55	29.94
Open circuit voltage(Voc)	9.53	9.33	9.16	9.04	8.92
Short circuit current(Isc)	8.91	8.78	8.65	8.51	8.35
Module Efficiency(%)	17.42	17.12	16.51	15.90	15.29
Max system voltage	DC1000V				
Maximum Series Fuse Rating	15A				

Mechanical Data

Dimensions	1640x992x40/35mm
Weight	18kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm^2 symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Poly Crystalline Silicon 156mmx156mm
Number of cells	60 cells in series

Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.045% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.47%) / ℃
Operating temperature	(-40~+85%) ℃
Normal operating cell temperature	45±2℃

Packing Configuration

Container	20'GP	40'GP	40'HQ
Pieces per pallet	46	46	56
Pallets per container	6	14	14
	276	644	784

Tests,Certifications and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	TUV,CE,MCS,PV CYCLE,CEC,CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

Dimensions and Structure

I-V Curve

I-V Curves at different irradiance

I-V Curves at different temperature

DKP48PCS

200W
PRODUCT SPECIFICATION

DKP48PCS 200W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m², Cells Temperature 25℃)

Typical type	200W
Max power(Pmax)	200
Max power voltage(Vmp)	25.42
Max power current(Imp)	7.87
Open circuit voltage(Voc)	30.14
Short circuit current(Isc)	8.48
Max system voltage	DC1000V
Maximum Series Fuse Rating	15A

Mechanical Data

Dimensions	1330*992*40mm
Weight	14.5kgs
Front glass	3.2mm tempered glass
Output cables	4mm² Symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Mono crystalline Silicon 156mm×156mm
Number of cells	48 cells in series

Temperat Ure Characteristics

Temp.Coeff.of Isc(TK Isc)	0.037% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.48%) / ℃
Operating temperature	(-40 ~ +85%) ℃
Normal operating cell temperature	45±2℃

Tests,Certificati Ons and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO 14001
Certifications	TUV, CE, MCS, PV CYCLE, CEC, CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

DKM48PCS

200W
PRODUCT SPECIFICATION

DKP48PCS 200W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m², Cells Temperature 25℃)

Typical type	200W
Max power(Pmax)	200
Max power voltage(Vmp)	24.4
Max power current(Imp)	8.2
Open circuit voltage(Voc)	30.4
Short circuit current(Isc)	8.77
Max system voltage	DC1000V
Maximum Series Fuse Rating	15A

Mechanical Data

Dimensions	1330*992*40mm
Weight	14.5kgs
Front glass	3.2mm tempered glass
Output cables	4mm² Symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Mono crystalline Silicon 156mm×156mm
Number of cells	48 cells in series

Temperat Ure Characteristics

Temp.Coeff.of Isc(TK Isc)	0.037% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.48%) / ℃
Operating temperature	(-40 ~ +85%) ℃
Normal operating cell temperature	45±2℃

Tests,Certificati Ons and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO 14001
Certifications	TUV, CE, MCS, PV CYCLE, CEC, CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

DKM36PCS

165W/160W/155W/150W
PRODUCT SPECIFICATION

DKM36PCS 165W/160W/155W/150W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m^2, Cells Temperature 25℃)

Typical type	165W	160W	155W	150W
Max power(Pmax)	165	160	155	150
Max power voltage(Vmp)	18.92	18.89	18.66	18.61
Max power current(Imp)	8.72	8.47	8.3	8.06
Open circuit voltage(Voc)	22.71	22.67	22.39	22.33
Short circuit current(Isc)	9.85	9.57	9.37	9.1
Cell efficiency(%)	19.75	19.16	18.56	17.96
Module Efficiency(%)	16.37	15.87	15.38	14.88
Max system voltage	DC1000V			
Maximum Series Fuse Rating	15A			

Mechanical Data

Dimensions	1480*680*30/35mm
Weight	12kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm^2 symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Mono Crystalline Silicon 156mmx156mm
Number of cells	36 cells in series

Temperat Ure Characteristics

Temp.Coeff.of Isc(TK Isc)	0.037% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.48%) / ℃
Operating temperature	(-40~+85%) ℃
Normal operating cell temperature	45±2℃

Packing Configuration

Container	20'GP	40'GP	40'HQ
Pieces per pallet	64	64	80
Pallets per container	7	15	15
	448	960	1200

Tests,Certificati Ons and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	TUV,CE,MCS,PV CYCLE,CEC,CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%

DKP36PCS

140W/145W/150W/155W
PRODUCT SPECIFICATION

DKP36PCS 140W/145W/150W/155W PRODUCT SPECIFICATION

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m^2, Cells Temperature 25℃)

Typical type	155W	150W	145W	140W
Max power(Pmax)	155	150	145	140
Max power voltage(Vmp)	18.42	18.23	17.8	17.6
Max power current(Imp)	8.41	8.22	8.15	7.95
Open circuit voltage(Voc)	22.1	21.87	21.96	21.96
Short circuit current(Isc)	9.5	9.28	8.5	8.41
Cell efficiency(%)	18.22	17.64	17.05	16.46
Module Efficiency(%)	15.38	14.88	14.39	13.89
Max system voltage	DC1000V			
Maximum Series Fuse Rating	15A			

Mechanical Data

Dimensions	1480*680*30/35mm
Weight	12kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm^2 symmetrical lengths 900 mm
Connectors	MC4 compatible IP67
Cell type	Poly Crystalline Silicon 156mmx156mm
Number of cells	36 cells in series

Temperat Ure Characteristics

Temp.Coeff.of Isc(TK Isc)	0.045% / ℃
Temp.Coeff.of Voc(TK Voc)	(-0.34%) / ℃
Temp.Coeff.of Pmax(TK Pmax)	(-0.47%) / ℃
Operating temperature	(-40~+85%) ℃
Normal operating cell temperature	45±2℃

Packing Configuration

Container	20'GP	40'GP	40'HQ
Pieces per pallet	64	64	80
Pallets per container	7	15	15
	448	960	1200

Tests,Certificati Ons and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	TUV,CE,MCS,PV CYCLE,CEC,CHUBB
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Positive tolerance	0~+3%
Junction box	≥ IP65
Warranties	10 years material and workmanship and 25 years output at least 80%