

Electrical Data

Nominal Peak Power	20wp
Maximum Power Voltage(Vmp)	18.0v
Maximum Power Current(Imp)	1.12A
Short – Circuit Current(Isc)	1.31A
Open – Circuit Voltage(Voc)	21.5v
Optimized Cell Efficiency(%)	16.2%

Power Tolerance \pm 3% STC: Irradiance of 1000W/m², Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating Module Temperature: -40° C to +85°C Maximum System Voltage: 600VDC

Temperature and Coefficients

NOCT	-40° C to +8	5°C	
Current Temperature Coeffic	ient	% C	0.005
Voltage Temperature Coeffic	cient	% C	-0.33
Power Temperature Coefficie	ent	% C	-0.44

Additional Data

Number of cells and type of connection = 36 series

DimensionsØ520mmNet Weight2.30Kgs/pc

Guaranteed Power Output

10 Years: 90% of its nominal power rating 20 Years: 80% of its nominal power rating

Impact Resistance

Can bear the force generated by one 227g steel ball dropped from 1 meter height

Cell Type

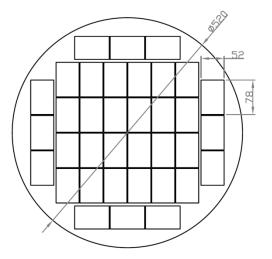
Polycrystalline silicon photovoltaic cells

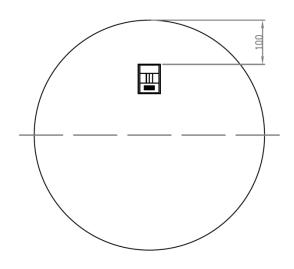
Warranty Period

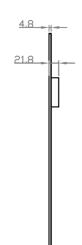
10 years: Materials & workmanship



Lake Lite Inc. 2301 Fairfield Ave, Suite 107 Fort Wayne, IN 46807 LL-20w-12v-ROUND







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SOLAR MODULE LL-5w-12v

Electrical Data

Nominal Peak Power	5wp
Maximum Power Voltage(Vmp)	18.0v
Maximum Power Current(Imp)	0.28A
Short – Circuit Current(Isc)	0.32A
Open – Circuit Voltage(Voc)	21.5v
Optimized Cell Efficiency(%)	17.2%

SOLAR TECHNOLOGY

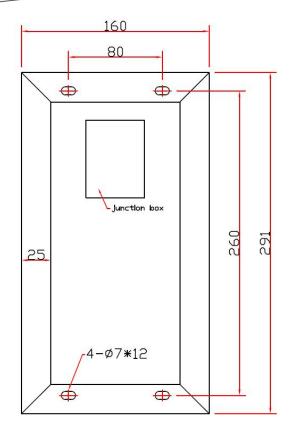
Power Tolerance ± 3% STC: Irradiance of 1000W/m², Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating Module Temperature: -40° C to +85°C Maximum System Voltage: 600VDC

Temperature and Coefficients

NOCT	-40° C to +85	5°C	
Current Temperature Coeffic	cient	% C	0.005
Voltage Temperature Coeffic	cient	% C	-0.33
Power Temperature Coefficie	ent	% C	-0.44



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Additional Data

Number of cells and type of connection = 36 series

Dimensions291*160*25mmNet Weight0.74Kgs/pc

Guaranteed Power Output

10 Years: 90% of its nominal power rating 20 Years: 80% of its nominal power rating

Impact Resistance

Can bear the force generated by one 227g steel ball dropped from 1 meter height

Cell Type

Polycrystalline silicon photovoltaic cells

Warranty Period

10 years: Materials & workmanship



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Electrical Data

Nominal Peak Power	10wp
Maximum Power Voltage(Vmp)	18.0v
Maximum Power Current(Imp)	0.56A
Short – Circuit Current(Isc)	0.63A
Open – Circuit Voltage(Voc)	21.5v
Optimized Cell Efficiency(%)	17.2%

(LAKE LITE SOLAR TECHNOLOGY

Power Tolerance \pm 3% STC: Irradiance of 1000W/m², Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating Module Temperature: -40° C to +85°C Maximum System Voltage: 600VDC

Temperature and Coefficients

NOCT	-40° C to +	85°C	
Current Temperature Coeffic	cient	% C	0.005
Voltage Temperature Coeffic	cient	% C	-0.33
Power Temperature Coefficie	ent	% C	-0.44

Additional Data

Number of cells and type of connection = 36 series

Dimensions305*291*25mmNet Weight1.22Kgs/pc

Guaranteed Power Output

10 Years: 90% of its nominal power rating 20 Years: 80% of its nominal power rating

Impact Resistance

Can bear the force generated by one 227g steel ball dropped from 1 meter height

Cell Type

Polycrystalline silicon photovoltaic cells

Warranty Period

10 years: Materials & workmanship



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SOLAR MODULE LL-15w-12v

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Electrical Data

Nominal Peak Power	15wp
Maximum Power Voltage(Vmp)	18.0v
Maximum Power Current(Imp)	0.84A
Short – Circuit Current(Isc)	0.93A
Open – Circuit Voltage(Voc)	21.5v
Optimized Cell Efficiency(%)	17.2%

(LAKE LITE) SOLAR TECHNOLOGY

Power Tolerance \pm 3% STC: Irradiance of 1000W/m², Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating Module Temperature: -40° C to +85°C Maximum System Voltage: 600VDC

Temperature and Coefficients

NOCT	-40° C to +85	°C	
Current Temperature Coeffic	ient	% C	0.005
Voltage Temperature Coeffic	ient	% C	-0.33
Power Temperature Coefficie	ent	% C	-0.44

Additional Data

Number of cells and type of connection = 36 series

Dimensions440*291*25mmNet Weight1.66Kgs/pc

Guaranteed Power Output

10 Years: 90% of its nominal power rating 20 Years: 80% of its nominal power rating

Impact Resistance

Can bear the force generated by one 227g steel ball dropped from 1 meter height

Cell Type

Polycrystalline silicon photovoltaic cells

Warranty Period

10 years: Materials & workmanship



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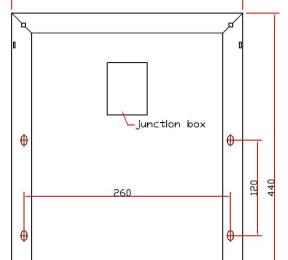
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SOLAR MODULE LL-20w-12v

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Nominal Peak Power	20wp
Maximum Power Voltage(Vmp)	18.0v
Maximum Power Current(Imp)	1.12A
Short – Circuit Current(Isc)	1.23A
Open – Circuit Voltage(Voc)	21.5v
Optimized Cell Efficiency(%)	17.2%

(LAKE LITE) SOLAR TECHNOLOGY

Power Tolerance \pm 3% STC: Irradiance of 1000W/m², Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating Module Temperature: -40° C to +85°C Maximum System Voltage: 600VDC

Temperature and Coefficients

NOCT	-40° C to +85	°C	
Current Temperature Coeffic	ient	% C	0.005
Voltage Temperature Coeffic	ient	% C	-0.33
Power Temperature Coefficie	ent	% C	-0.44

Additional Data

Number of cells and type of connection = 36 series

Dimensions565*291*25mmNet Weight2.06Kgs/pc

Guaranteed Power Output

10 Years: 90% of its nominal power rating 20 Years: 80% of its nominal power rating

Impact Resistance

Can bear the force generated by one 227g steel ball dropped from 1 meter height

Cell Type

Polycrystalline silicon photovoltaic cells

Warranty Period

10 years: Materials & workmanship



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SOLAR MODULE LL-20w-24v



Electrical Data

Nominal Peak Power	20wp
Maximum Power Voltage(Vmp)	36.0v
Maximum Power Current(Imp)	0.56A
Short – Circuit Current(Isc)	0.61A
Open – Circuit Voltage(Voc)	43.0v
Optimized Cell Efficiency(%)	17.2%

Power Tolerance \pm 3% STC: Irradiance of 1000W/m², Air Mass of 1.5, Cell Temperature of 25°C

Limits

Operating Module Temperature: -40° C to +85°C Maximum System Voltage: 600VDC

Temperature and Coefficients

NOCT	-40° C to +85	°C	
Current Temperature Coeffic	ient	% C	0.005
Voltage Temperature Coeffic	ient	% C	-0.33
Power Temperature Coefficie	ent	% C	-0.44

Additional Data

Number of cells and type of connection = 72 series

Dimensions565*291*25mmNet Weight2.06Kgs/pc

Guaranteed Power Output

10 Years: 90% of its nominal power rating 20 Years: 80% of its nominal power rating

Impact Resistance

Can bear the force generated by one 227g steel ball dropped from 1 meter height

Cell Type

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Warranty Period

10 years: Materials & workmanship



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