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Solar Panel Guide Specification Data Sheet

Shenzhen Sungold Solar Co., Ltd.

Lucis Series A

Lucis-160W A

Also available on the web at
EnergyPal.com/shenzhen-sungold-solar-co-ltd-solar-panels/lucis-160w-a

Features

1. The short distance between the multi-gate lines can greatly increase the current during the transmission process.
2. Unique mesh design, based on direct light, higher light utilization and less shadow
3. with Multi-wire electrode technology, the front and rear ends of the link can be used as a heat sink and help absorb heat from the surface, reduce power loss.
4. The Multi-grid battery is less affected by cracks, has more interconnection points, power generation features can resist cell cracks or fractures, and reduce crack failures.
5. Widely used in real estate, lawn vehicles, yachts, golf carts, light roofs and so on.



Flexible solar panel (Lucis series)

Security is more secure.

The maximum system voltage is 100VDC.

Electrical Characteristics

Product code	Lucis-50W A	Lucis-80W A	Lucis-100W A	Lucis-160W A
Maximum power(Pmax)	50W	80W	100W	160W
Voltage at Pmax(Vmp)	17.2	17.2	17.2	17.7
Current at Pmax(Imp)	2.94	4.65	5.89	9.06
Open-circuit voltage(Voc)	20.4	20.4	20.4	20.6
Short -circuit current(Isc)	3.12	4.92	6.24	9.60
Cells Efficiency(%)	20.30%	20.30%	20.40%	20.40%
The maximum system voltage	100VDC(IEC)	100VDC(IEC)	100VDC(IEC)	100VDC(IEC)
Power temperature coefficient	-0.393%/°C	-0.393%/°C	-0.393%/°C	-0.393%/°C
Voltage temperature coefficient	-0.30%/°C	-0.30%/°C	-0.30%/°C	-0.30%/°C
Current temperature coefficient	0.039%/°C	0.039%/°C	0.039%/°C	0.039%/°C
Output power tolerance	±3%	±3%	±3%	±3%
NOCT	45±2°C	45±2°C	45±2°C	45±2°C

Specifications

	surface TPT	surface TPT	surface TPT	surface TPT
Construction	EVA	EVA	EVA	EVA
	backboard TPT	backboard TPT	backboard TPT	backboard TPT
	Module dimension	520*670*3mm	720*670*3mm	940*670*3mm
Weight	1.4KG	1.9KG	2.4KG	3.4KG
No.of cells and connections	4*8	4*8	4*8	4*8
Maximum bending arch height	20mm	40mm	70mm	150mm