

Spectralite SemiFlex & SemiFlex Pro

Our latest range of Spectralite SemiFlex solar panels are more compact and efficient than before thanks to their high quality design, ETFE polymer coating and class A solar cell construction. This new range is split into two product lines, the **Spectralite SemiFlex** that uses Mono crystalline cells and the **Spectralite SemiFlex PRO** which uses SunPower cells. Thanks to their robust design the panels are tough enough to be walked on and enables them to be effective in low power commercial applications where their non-glass construction makes them shatter-proof and vandal resistant.

Spectralite SemiFlex & Pro Features

- Aluminium back plate to prevent cracking of the cells and improves heat dissipation.
- Panels are semi-flexible so can be slightly flexed without cell damage unlike conventional panels .
- Corners are rounded with 4 cut out eyelets for safe and easy installation.
- Lightweight, ultra flat, extremely robust, scratch-proof, and sea/salt water resistant.
- Built in blocking diode and 3M twin core cable included.

Spectralite SemiFlex Features:

- Anti-Slip and anti-soil ETFE polymer coating for scratch , heat and corrosion resistant
- Uses Class A mono crystalline solar panels.

Spectralite SemiFlex Pro Features:

- Uses SunPower Maxeon Cells, proven to increase panel efficiency.
- Market leading DuPont anti-slip and anti-soil ETFE polymer coating for scratch, heat and corrosion resistant.



Spectralite SemiFlex



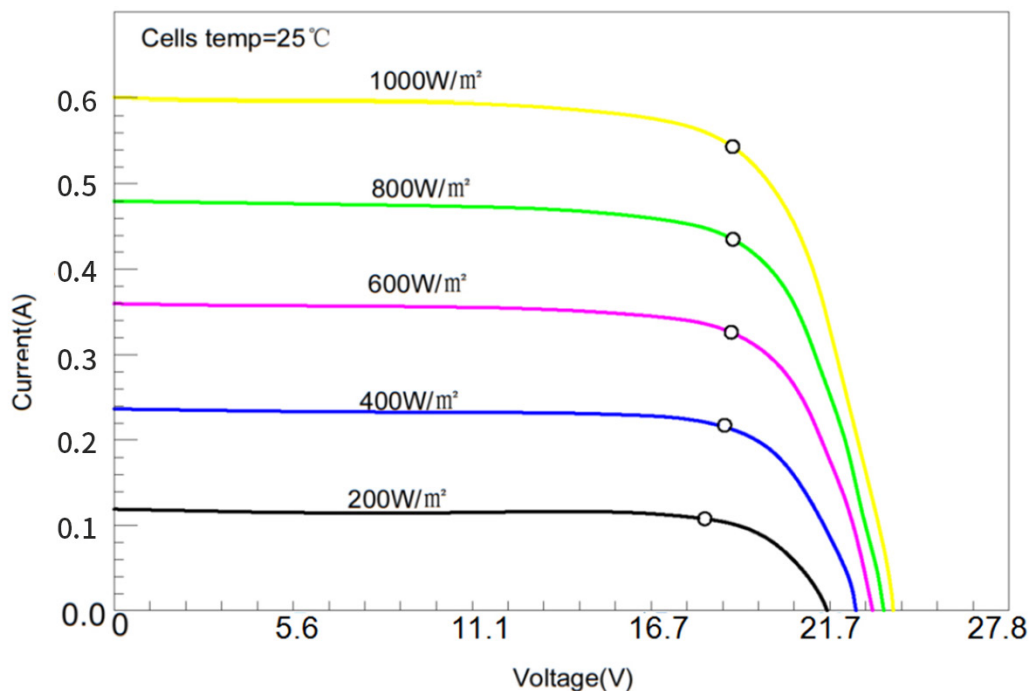
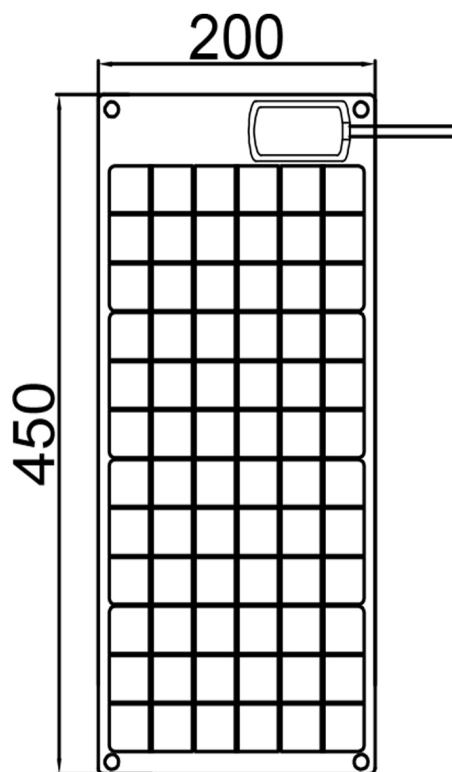
Spectralite SemiFlex Pro

PV Module Type / Peak Power	Dimensions (mm)	Weight (kg)	Part Number
SpectraLite SemiFlex 10W	450 X 200 X 4	0.7	CA-10/450
SpectraLite SemiFlex 30W	600 X 365 X 4	1.35	CA-10/453
SpectraLite SemiFlex PRO 50W	570 X 520 X 4.5	1.8	CA-10/455
SpectraLite SemiFlex PRO 100W	1055 X 520 X 4.5	3.1	CA-10/456
SpectraLite SemiFlex PRO 150W	1460 X 540 X 4.5	5.3	CA-10/457
SpectraLite SemiFlex PRO 200W	1210 X 850 X 4.5	5.4	CA-10/458

Spectralite SemiFlex 10W

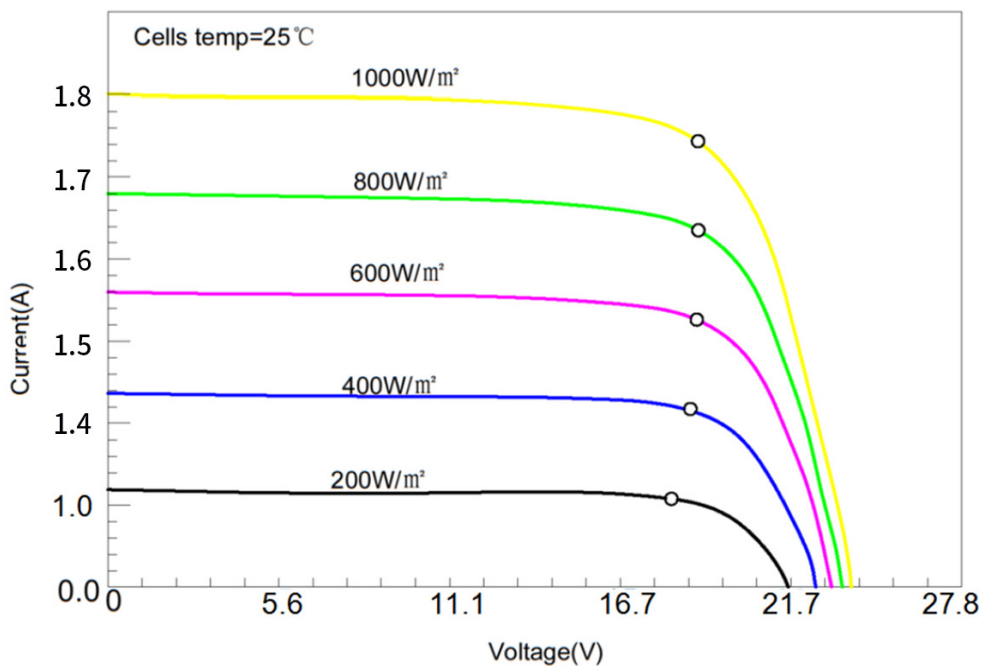
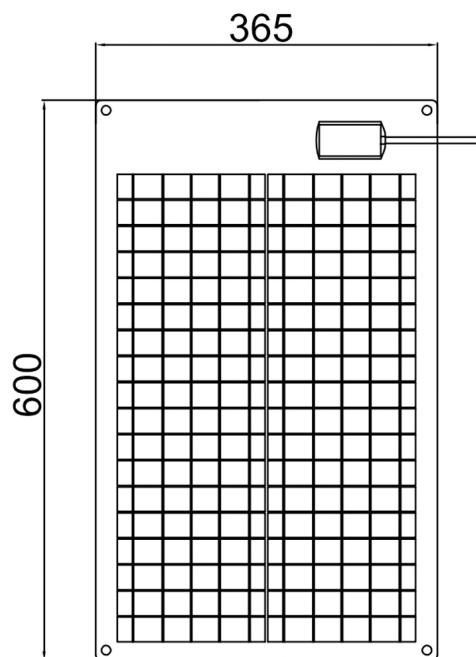


Model	CA-10/450
Cell	158 x 158mm / PERC Mono Solar Cell
Cable	3m
Size (mm)	450 x 200 x 4mm
Tolerance	0~ +3%
Nominal Peak Power (WP)	10W
V _{mp} (V)	18V
I _{pm} (A)	0.55A
V _{oc} (V)	21.6V
I _{sc} (A)	0.60A
Efficiency	22.50%
Power Temperature Coefficient	-0.24%/°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	-0.06%/°C
NOCT	45±2°C
Max System Voltage	300V DC
Certification	UKCA, CE, ROHS, ISO9001:2015,
N.G	0.7 kg
G.W	1.00 kg

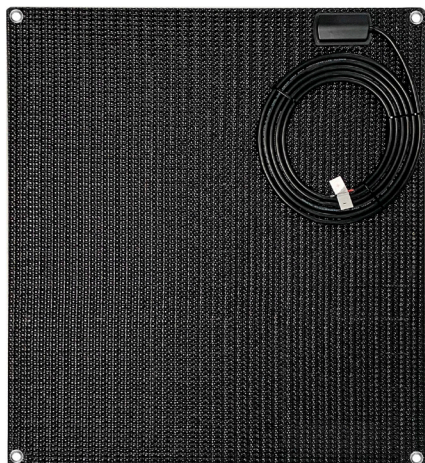


Spectralite SemiFlex 30W

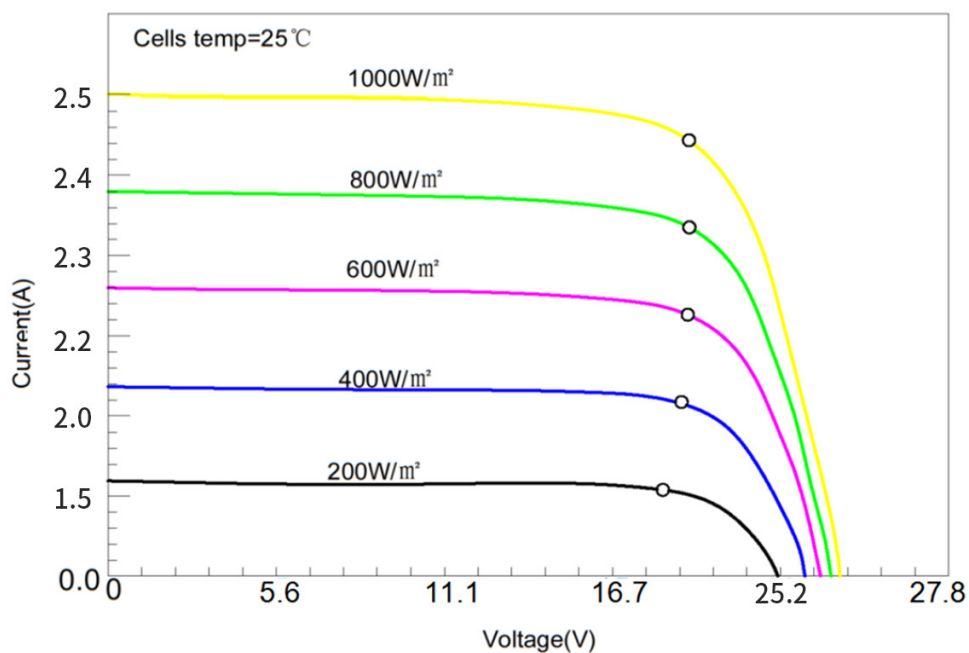
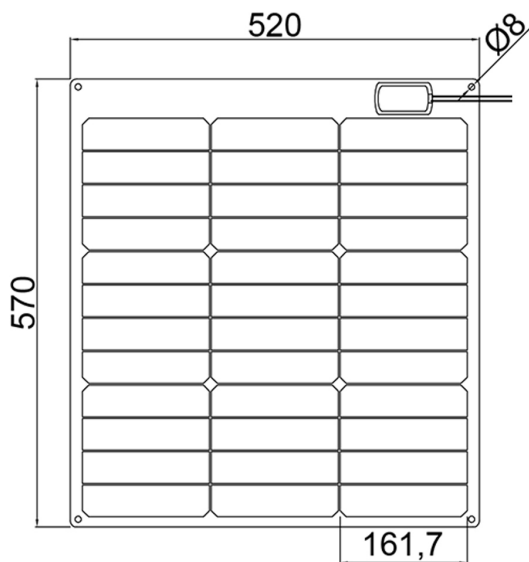
Model	CA-10/453
Cell	158 x 158mm / PERC Mono Solar Cell
Cable	3m
Size (mm)	600 x 365 x 4mm
Tolerance	0~ +3%
Nominal Peak Power (WP)	30W
Vmp (V)	18V
Ipm (A)	1.66A
Voc (V)	21.6V
Isc (A)	1.80A
Efficiency	22.50%
Power Temperature Coefficient	-0.24%/°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	-0.06%/°C
NOCT	45±2°C
Max System Voltage	300V DC
Certification	UKCA, CE, ROHS, ISO9001:2015,
N.G	1.35 kg
G.W	1.90 kg



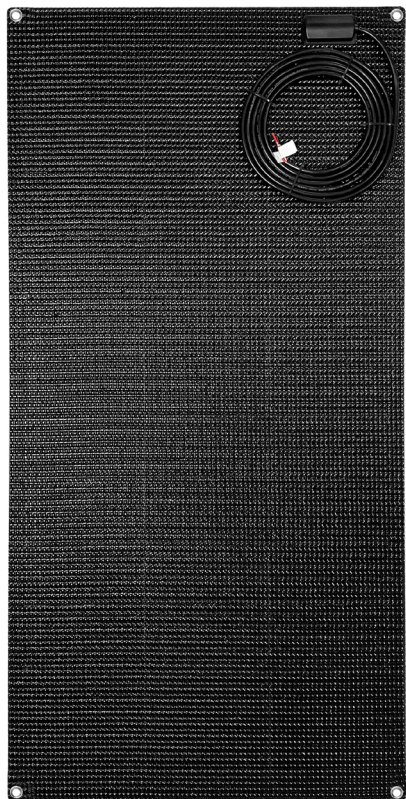
Spectralite SemiFlex Pro 50W



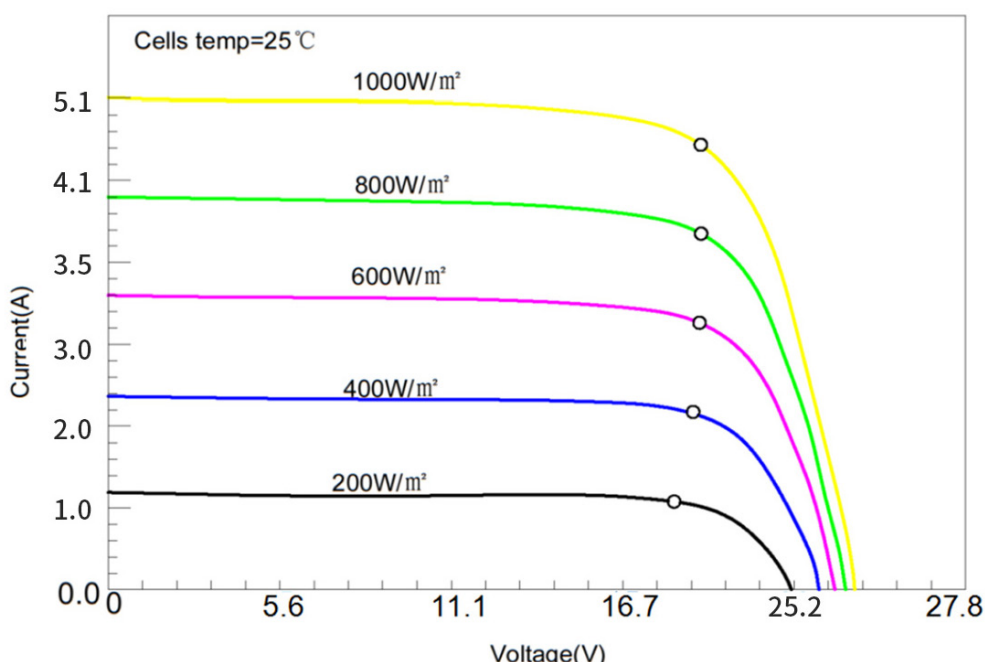
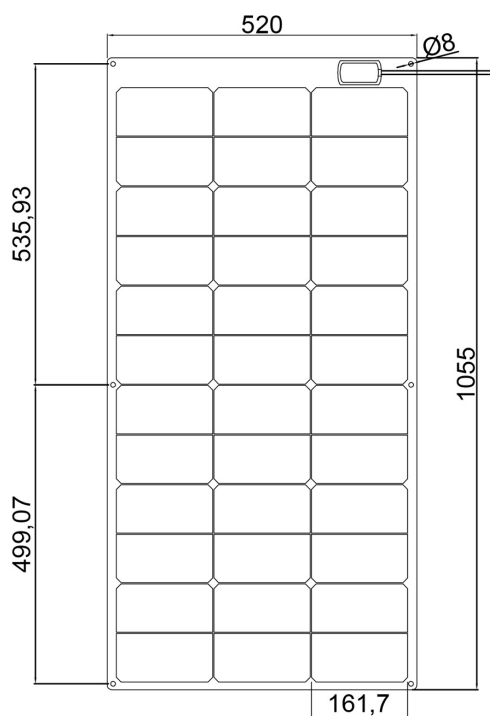
Model	CA-10/455
Cell	161 x 161mm / SunPower Solar Cell
Cable	3m
Size (mm)	570 x 520 x 4.3mm
Tolerance	0~ +3%
Nominal Peak Power (WP)	50W
V _{mp} (V)	21V
I _{pm} (A)	2.38A
V _{oc} (V)	25.2V
I _{sc} (A)	2.57A
Efficiency	22.50%
Power Temperature Coefficient	-0.24%/°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	-0.06%/°C
NOCT	45±2°C
Max System Voltage	300V DC
Certification	UKCA, CE, ROHS,ISO9001:2015,
N.G	1.80 kg
G.W	2.50 kg

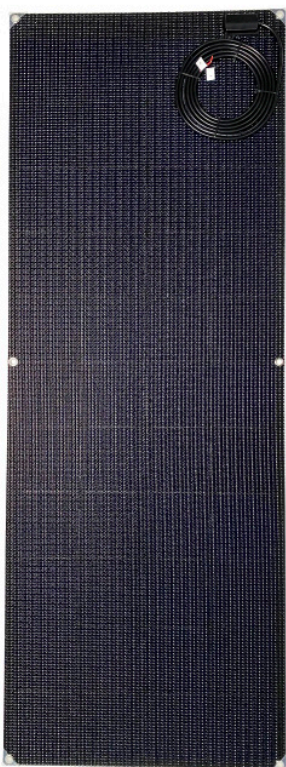


Spectralite SemiFlex Pro 100W



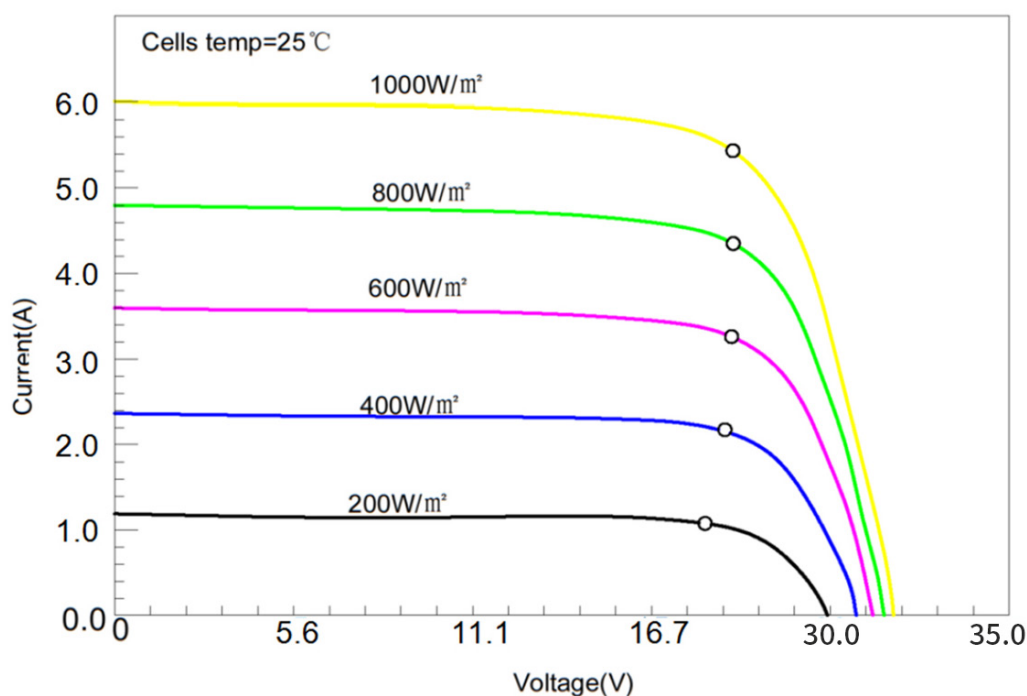
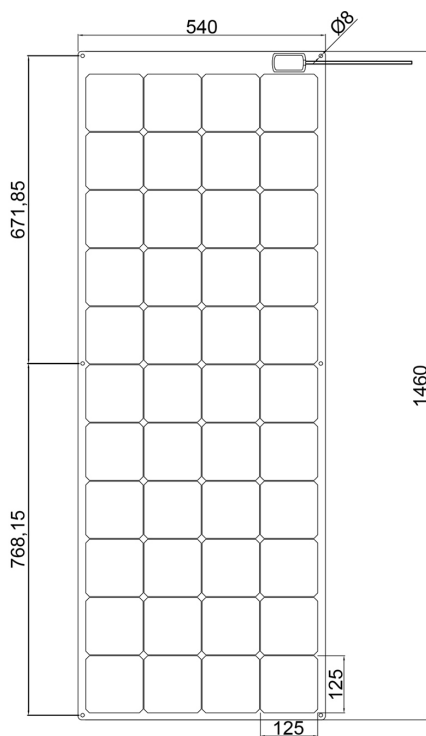
Model	CA-10/456
Cell	161 x 161mm / SunPower Solar Cell
Cable	3m
Size (mm)	1055 x 520 x 4.3mm
Tolerance	0~ +3%
Nominal Peak Power (WP)	100W
Vmp (V)	21V
Ipm (A)	4.76A
Voc (V)	25.2V
Isc (A)	5.14A
Efficiency	22.50%
Power Temperature Coefficient	-0.24%/°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	-0.06%/°C
NOCT	45±2°C
Max System Voltage	300V DC
Certification	UKCA, CE, ROHS, ISO9001:2015,
N.G	3.10 kg
G.W	4.35 kg



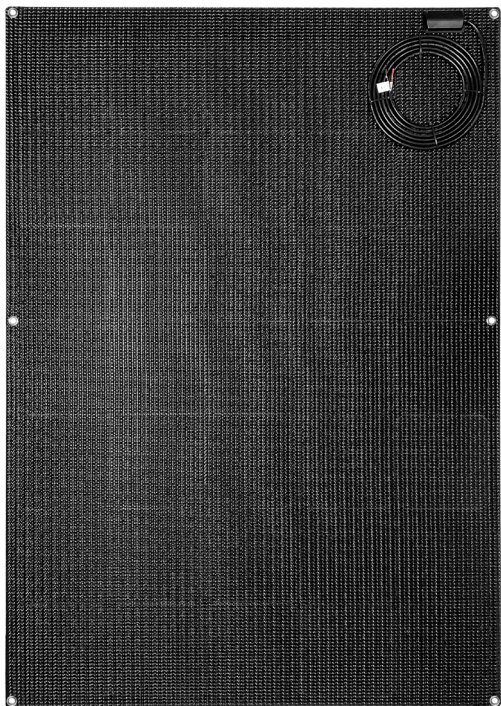


Spectralite SemiFlex Pro 150W

Model	CA-10/457
Cell	125 x 125mm / SunPower Solar Cell
Cable	3m
Size (mm)	1460 x 540 x 4.3mm
Tolerance	0~ +3%
Nominal Peak Power (WP)	150W
V _{mp} (V)	25V
I _{pm} (A)	6.00A
V _{oc} (V)	30V
I _{sc} (A)	6.48A
Efficiency	22.50%
Power Temperature Coefficient	-0.24%/°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	-0.06%/°C
NOCT	45±2°C
Max System Voltage	300V DC
Certification	UKCA, CE, ROHS, ISO9001:2015,
N.G	5.30 kg
G.W	6.00 kg



Spectralite SemiFlex Pro 200W



Model	CA-10/458
Cell	161 x 161mm / SunPower Solar Cell
Cable	3m
Size (mm)	1210 x 850 x 4.3mm
Tolerance	0~ +3%
Nominal Peak Power (WP)	200W
V _{mp} (V)	20.5V
I _{pm} (A)	9.75A
V _{oc} (V)	24.6V
I _{sc} (A)	10.53A
Efficiency	22.50%
Power Temperature Coefficient	-0.24%/°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	-0.06%/°C
NOCT	45±2°C
Max System Voltage	300V DC
Certification	UKCA, CE, ROHS, ISO9001:2015,
N.G	5.40 kg
G.W	7.55 kg

