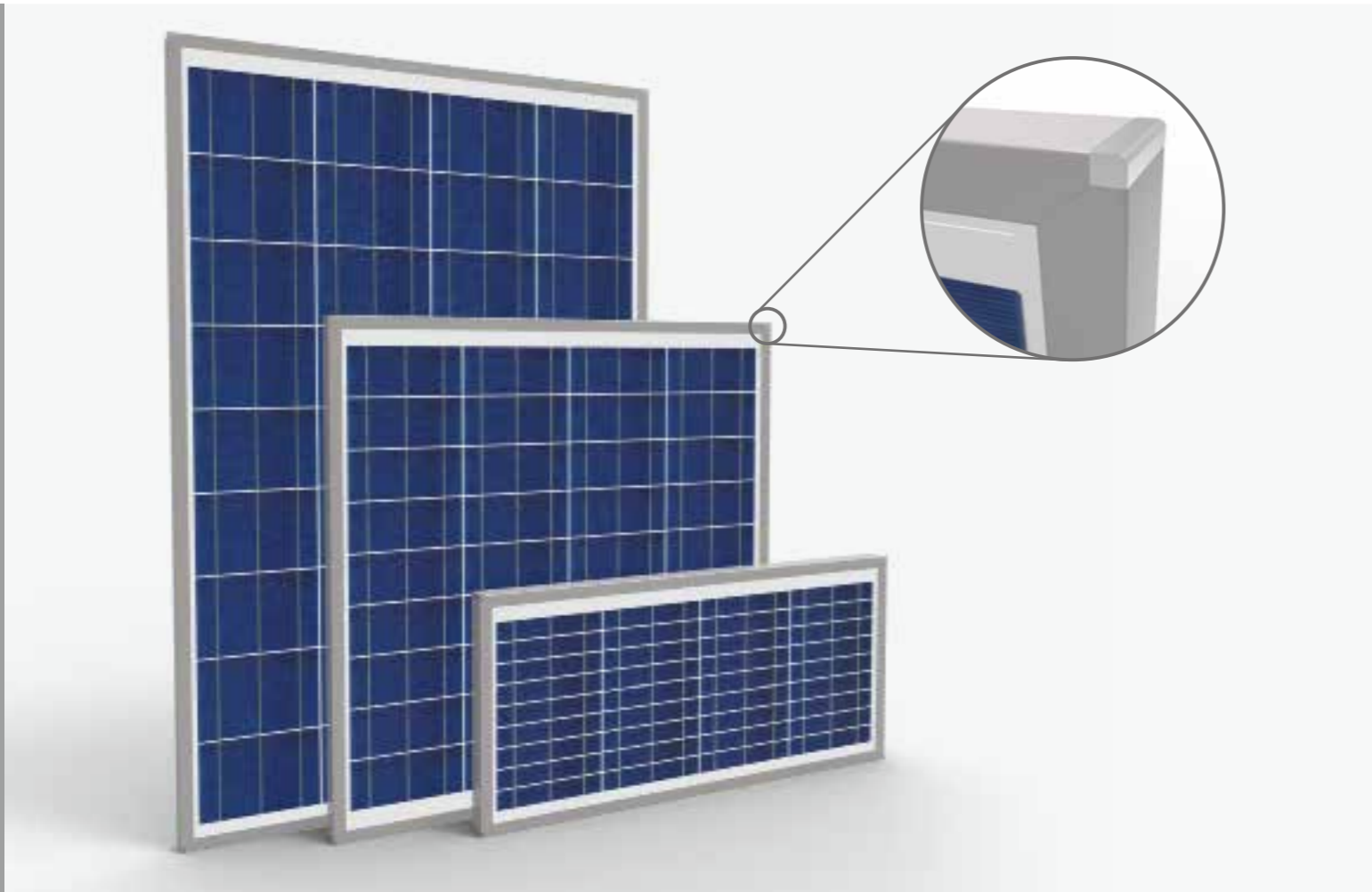


O-Fit Smooth Series



Reliable PV Power for Your Solar Systems

Modules with Smooth Frame – O-Fit Smooth Series for SHS and Stand-Alone Systems

- From 30Wp to 160Wp to accommodate your various Off-grid system requirements.
- Smooth frame without sharp corner for easy handling.
- O-Fit Smooth features positive power sorting and exceptional quality by German standard.



Smooth edge



IP65 Junction Box



Traceability

O-Fit Smooth | Designed with Smooth Frame, Poly Series

Model Name		FCP 030	FCP 040	FCP 045	FCP 050	FCP 060	FCP 070	FCP 080
ELECTRICAL CHARACTERISTICS	P _{max} (W)	30	40	45	50	60	70	80
	V _{mpp} (V)	18.71	18.64	18.64	18.72	18.68	18.64	18.64
	I _{mpp} (A)	1.63	2.23	2.63	2.74	3.33	3.95	4.61
	V _{oc} (V)	22.64	22.43	22.43	22.68	22.54	22.43	22.43
	I _{sc} (A)	1.69	2.33	2.76	2.84	3.47	4.14	4.82
	Power tolerance (%)	0% ~ +10%						
MECHANICAL CHARACTERISTICS	Module dimensions (mm)	365.5x678.5x30	480.5x678.5x30	552.5x678.5x30	552.5x678.5x30	678.5x678.5x30	787.5x678.5x30	904.5x678.5x30
	Cell dimensions (mm)	156x31.2	156x44	156x52	156x52	156x65	156x78	156x91
	No. of cells and connections	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)
	Junction box	IP65 Rated						
	Bypass-diodes	1	1	1	1	1	1	1
	Weight (kg)	3.12	4.10	4.72	4.72	5.79	6.73	7.72
	Frame	Silver anodized aluminum frame with smooth edge design						
WARRANTY & TEMP. CHARACTERISTICS	NOCT	45±2°C						
	Operating temperature range	-40°C ~ +80°C						
	Ambient temperature range	-40°C ~ +45°C						
	Product warranty	5 years						
	Performance warranty	90% of power output for 10 years and 80% for 25 years						

*At STC (1000W/m²,25°C,1.5AM)

○-Fit Smooth | Designed with Smooth Frame, Poly Series

Model Name		FCP 085	FCP 100	FCP 110	FCP 120	FCP 140	FCP 150
ELECTRICAL CHARACTERISTICS	P _{max} (W)	85	100	110	120	140	150
	V _{mpp} (V)	18.71	18.72	18.71	18.68	18.64	18.72
	I _{mpp} (A)	4.70	5.49	6.05	6.65	7.90	8.23
	V _{oc} (V)	22.57	22.68	22.57	22.54	22.43	22.68
	I _{sc} (A)	4.89	5.67	6.29	6.94	8.27	8.51
	Power tolerance (%)	0% ~ +10%					
MECHANICAL CHARACTERISTICS	Module dimensions (mm)	904.5x678.5 x30	1021.5x678.5 x30	1138.5x678.5 x30	1255.5x678.5 x30	1489.5x678.5 x30	1489.5x678.5 x30
	Cell dimensions (mm)	156x91	156x104	156x117	156x130	156x156	156x156
	No. of cells and connections	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)
	Junction box	IP65 Rated					
	Bypass-diodes	1	2	2	2	2	2
	Weight (kg)	7.72	8.72	9.72	10.72	12.72	12.72
	Frame	Silver anodized aluminum frame with smooth edge design					
WARRANTY & TEMP. CHARACTERISTICS	NOCT	45±2°C					
	Operating temperature range	-40°C ~ +80°C					
	Ambient temperature range	-40°C ~ +45°C					
	Product warranty	5 years					
	Performance warranty	90% of power output for 10 years and 80% for 25 years					

*At STC (1000W/m²,25°C,1.5AM)

○-Fit Smooth | Designed with Smooth Frame, Mono Series

Model Name		FCM 030	FCM 040	FCM 050	FCM 080	FCM 100	FCM 120	FCM 130	FCM 160	
ELECTRICAL CHARACTERISTICS	P _{max} (W)	30	40	50	80	100	120	130	160	
	V _{mpp} (V)	19.26	19.40	19.40	19.40	19.26	19.26	19.33	19.40	
	I _{mpp} (A)	1.68	2.13	2.84	4.26	5.71	6.43	6.98	8.53	
	V _{oc} (V)	22.90	23.00	23.00	23.00	22.90	22.90	22.97	23.00	
	I _{sc} (A)	1.80	2.26	3.02	4.53	6.11	6.88	7.43	9.06	
	Power tolerance (%)	0% ~ +10%								
MECHANICAL CHARACTERISTICS	Module dimensions (mm)	360x678.5 x30	430x678.5 x30	544.5x678.5 x30	787.5x678.5 x30	1021.5x678.5 x30	1138.5x678.5 x30	1219.5x678.5 x30	1489.5x678.5 x30	
	Cell dimensions (mm)	156x30.6	156x38.25	156x51	156x78	156x104	156x117	156x126	156x156	
	No. of cells and connections	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)	
	Junction box	IP65 Rated								
	Bypass-diodes	1	1	1	1	2	2	2	2	
	Weight (kg)	3.07	3.65	4.65	6.73	8.71	9.72	10.41	12.72	
	Frame	Silver anodized aluminum frame with smooth edge design								
WARRANTY & TEMP. CHARACTERISTICS	NOCT	45±2°C								
	Operating temperature range	-40°C ~ +80°C								
	Ambient temperature range	-40°C ~ +45°C								
	Product warranty	5 years								
	Performance warranty	90% of power output for 10 years and 80% for 25 years								

*At STC (1000W/m²,25°C,1.5AM)

For quotation, datasheet, and technical drawing of each model, please contact with us.

<http://www.opes-solutions.com/contact.php> M: +86-18516158421, T: +852-81933413, E: info@opes-solutions.com