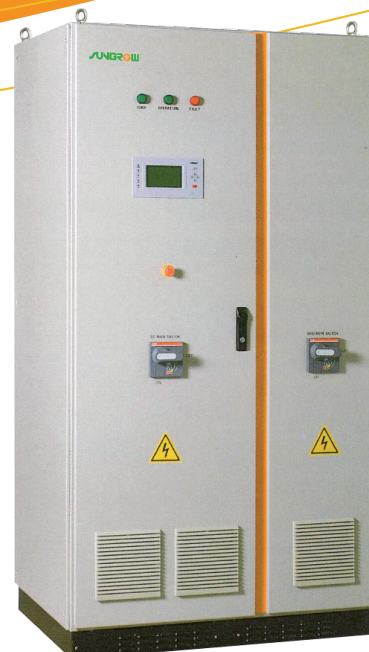


INVERTERS

Omvormers / Onduleurs Mastervolt, SMA, Kaco, Sungrow



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OTTOSSUN
Energy Systems



PARTS FOR SOLAR INSTALLATIONS

Onderdelen voor PV installaties
Composants pour installations photovoltaïques

www.ottossun.com



BUILD-UP SOLAR PANELS

Opbouwpanelen / Panneaux solaires montage surimposé

standard - black - red
standaard - zwart - rood
standards - noirs - rouges

monocrystalline / monokristallijn / monocristallins
180 Wp/Wc, – 185 Wp/Wc

polycrystalline / polykristallijn / polycristallins
230 Wp/Wc

Technische kenmerken / Technical specifications / Spécifications techniques

PV Modules			
Electrical Charateristics			
Model	PV-180V	PV-185V	PV-230V
	Monocrystalline	Monocrystalline	Polycrystalline
Cells per Module	72	72	60
Shape of cell	125*125	125*125	156*156
Max. power (W)	180	185	230
Open circuit voltage (V)	44.65V	45.40V	36,9
Short circuit current (A)	5.19A	5.27 A	8,27 A
Optimal operating voltage (V)	36.95V	37.10V	29,94V
Optimal operating current (A)	4.95A	5.01 A	7.68 A
Power tolerance	+/-3%	+/-3%	+/-3%
Temperature coefficient			
Temperature coefficient of Isc	+0.1%/K	+0.1%/K	+0.1%/K
Temperature coefficient of Voc	-0.38%/K	-0.38%/K	-0.38%/K
Temperature coefficient of power Pmax	-0.47%/K	-0.47%/K	-0.47%/K
Dimensions and weight			
Length (mm)	1580	1580	1634
Width (mm)	808	808	992
Thickness (mm)	45	45	50
Weight (kg)	15	15	20,3
Operating temperature	-40°C ~85 °C	-40°C ~85 °C	-40°C ~85 °C
System maximum open circuit voltage	1000V	1000V	1000V
Certification : IEC 61215 Ed.2, IEC 61730 (Inc. elec. Protection class 2)			

INTEGRATED SOLAR PANELS

Ingebouwde zonnepanelen / Panneaux intégrés

42 - 56 - 70 - 180 - 230 Wp/Wc



Technische kenmerken / Technical specifications / Spécifications techniques

PV Modules							
Electrical Characteristics							
Model	PV-42V	PV-56V	PV-70V	PV-180V	PV-230V	Reno Sol Pan	Neo Sol Pan
	Monocrystalline	Monocrystalline	Monocrystalline	Monocrystalline	Polycrystalline	Monocrystalline	Monocrystalline
Max. power (W)	42	56	70	180	230	3,5	12,1
Wp/ m²	111	115	117	141	142	70	120
Operating temperature	-40°C ~85 °C	-40°C ~85 °C	-40°C ~85 °C	-40°C ~85 °C	-40°C ~85 °C	-40°C ~85 °C	-40°C ~85 °C
System maximum open circuit voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Dimensions							
Length (mm)	1580	1580	1580	1580	1634	246	
Width (mm) with Rail S	240~270	308~338	376~406	845~875	1020~1050	190	
Width (mm) with Rail L	270~300	338~368	406~436	875~905	1050~1080		
Thickness (mm)	25	25	25	45	50	Stormpan / Tuile tempête	
Weight							
Weight (kg/m²)	19,2	17,7	17,2	14,3	12,5	18,9	16
Certification : IEC 61215 Ed.2, IEC 61730 (Inc. elec. Protection class 2)							

SOLAR MOUNTING SYSTEMS

Rails & Clamps

rails en klemmen
profils et fixations

Mounting systems

Montagehaken voor dakpannen
Systèmes de montage pour
toiture tuiles

FOR TILES

Mounting systems

Montagesystemen voor
geprofileerde en eternit-platen
Systèmes de montage pour profils
de couverture métallique et Eternit

FOR FLAT SHEET
METAL ROOFS &
ETERNIT ROOFS

Mounting systems

Driehoeken voor platte daken
Systèmes de montage pour
toits plats

FOR FLAT ROOFS

40*40 (with 4 slots / met 4 gleuven / avec 4 cannelures)
1* M8, 2* M10 (hex / zeskant / hexagonal)
& 1* M10 (T-head bolt / T-kop bout / boulon tête-T)