



12V DC MODULES
FOR OFF-GRID SOLUTIONS



SUITABLE FOR: SOLAR KITS,
RVS, BOATS AND CABINS



MAXIMUM ADAPTABILITY



30 YEAR LINEAR POWER WARRANTY
20 YEAR PRODUCT WARRANTY

CELLS



TYPE:
POLY 3BB-4BB

FRAME



BACKSHEET



ELECTRICAL CHARACTERISTICS (STC)*

	OS10P	OS20P	OS30P	OS50P
Nominal Output (Pmax)	10 W	20 W	30 W	50 W
Voltage at Pmax (Vmp)	16.5 V	18.6 V	17.65 V	17.72 V
Current at Pmax (Imp)	0.61 A	1.08 A	1.70 A	2.83 A
Open Circuit Voltage (Voc)	20 V	22.14 V	21.17 V	21.26 V
Short Circuit Current (Isc)	0.67 A	1.16 A	1.90 A	3.17 A
Cell Efficiency	13.70 %	13.88 %	13.70 %	14.13 %
Module Efficiency	9.84 %	10.84 %	10.56 %	11.43 %
Solar Cells	36 (4x9)	36 (4x9)	36 (2x18)	36 (4x9)
Cells Dimensions	52x36mm / 2x1.4"	78x52 mm / 3x2"	156x39 mm / 6x1.5"	156x52 mm / 6x2"
Cable	-	-	50 cm + MC4	50 cm + MC4
Dimensions	415x245x17 mm 16.3x9.6x0.67"	535x345x25 mm 21x13.5x1"	798x355x30 mm 31.4x13.9x1.2"	545x674x30 mm 21.5x26.5x1.2"
Weight	1.3 Kg / 2.86 lb	2.2 Kg / 4.85 lb	3.4 Kg / 7.49 lb	4.2 Kg / 9.26 lb

ELECTRICAL CHARACTERISTICS (STC)*

	OS80P	OS100P	OS130P	OS150P
Nominal Output (Pmax)	80 W	100 W	130 W	150 W
Voltage at Pmax (Vmp)	17.78 V	17.80 V	17.64 V	17.64 V
Current at Pmax (Imp)	4.50 A	5.62 A	7.37 A	8.51 A
Open Circuit Voltage (Voc)	21.33 V	21.36 V	21.17 V	21.17 V
Short Circuit Current (Isc)	5.03 A	6.26 A	8.25 A	9.51 A
Cell Efficiency	14.69 %	15.22 %	14.84 %	17.12 %
Module Efficiency	12.48 %	13.12 %	13.01 %	15.02 %
Solar Cells	36 (4x9)	36 (4x9)	36 (4x9)	36 (4x9)
Cells Dimensions	156x93 mm / 6x3.6"	156x104 mm / 6x4"	156x134 mm / 6x5.3"	156x156 mm / 6x6"
Cable	50 cm + MC4	50 cm + MC4	50 cm + MC4	50 cm + MC4
Dimensions	930x674x35 mm 36.6x26.5x1.4"	1030x674x35 mm 40.5x26.5x1.4"	1300x674x35 mm 51.2x26.5x1.4"	1480x674x35 mm 58.3x26.5x1.4"
Weight	7.15 Kg / 15.76 lb	8 Kg / 17.64 lb	8.9 Kg / 19.62 lb	9.9 Kg / 21.82 lb

*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

It is important to point out, that all technical specifications, information and figures contained in this datasheet are estimated values. Peimar reserves the right to change the technical specifications, information and figures contained in this document at any time without notice. WW_VERS 1_03/2018