



# SEMI FLEXIBLE SOLAR PANEL

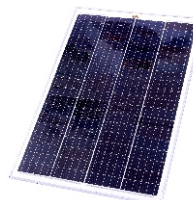
## Light Weight And Flexible Solar Panel (Polycrystalline)

Product	10 watts semi flexible solar panel	30 watts semi flexible solar panel	60 watts semi flexible solar panel	100 watts semi flexible solar panel	125W for 12 Volt semi flexible solar panel	125W for 24 Volt semi flexible solar panel
Specification	10 WATTS	30 WATTS	60 WATTS	100 WATTS	125W (12V)	125W (24V)
Model No.	ATONFPV010P	ATONFPV030P	ATONFPV060P	ATONFPV100P	ATONFPV125E1P	ATONFPV125E2P
Peak Power Pmax (Wp)	10	30	60	100	125W	125W
Maximum Voltage Vmpp(V)	18.00	19.44	19.44	18.06	15.65V	31.3V
Maximum Current Impp(a)	0.56	1.53	3.06	5.40	8.78A	4.39A
Open Circuit Voltage Voc(V)	22.0	22.1	22.1	20.5	16.24V	32.48V
Short Circuit Current Isc(a)	0.60	1.81	3.34	5.78	9.4A	4.7A
Module Efficiency (%)	18.4%	18.4%	18.4%	18.4%	18.4%	18.4%
Tc Of Open Circuit Voltage( $\beta$ )	-0.310%/°C	-0.310%/°C	-0.310%/°C	-0.310%/°C	-0.310%/°C	-0.310%/°C
Tc Of Short Circuit Current( $\alpha$ )	0.052%/°C	0.052%/°C	0.052%/°C	0.052%/°C	0.052%/°C	0.052%/°C
Tc Of Power( $\gamma$ )	-0.409%/°C	-0.409%/°C	-0.409%/°C	-0.409%/°C	-0.409%/°C	-0.409%/°C
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V
Length x Width	360mm x 250 mm	554mm x 335 mm	690mm x 550 mm	1008mm x 684 mm	1200mm x 750 mm	1250mm x 750 mm
Weight	0.25Kg	0.35Kg	0.7Kg	1.2Kg	1.25Kg	1.25Kg
Junction Box	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes
Cells	36 Polycrystalline solar cells, 5 bus bars	36 Polycrystalline solar cells, 5 bus bars	68 Polycrystalline solar cells, 5 bus bars	68 Polycrystalline solar cells, 5 bus bars	28 Polycrystalline solar cells, 5 bus bars	56 Polycrystalline solar cells, 5 bus bars
Back Sheet	Composite Film	Composite Film	Composite Film	Composite Film	Composite film	Composite film
Frame	Frameless	Frameless	Frameless	Frameless	Frame Less	Frame Less

# SEMI FLEXIBLE SOLAR PANEL

## Light Weight And Flexible Solar Panel (Monocrystalline)

Product	13 watts semi flexible solar panel	40 watts semi flexible solar panel	80 watts semi flexible solar panel	130 watts semi flexible solar panel	150W for 12 Volt semi flexible solar panel	150W for 24 Volt semi flexible solar panel
Specification	13 WATTS	40 WATTS	80 WATTS	130 WATTS	150W (12V)	150W (24V)
Model No.	ATONFPV013M	ATONFPV040M	ATONFPV080M	ATONFPV130M	ATONFPV150E1M	ATONFPV150E2M
Peak Power Pmax (Wp)	13	40	80	130	150W	150W
Maximum Voltage Vmpp(V)	19.44	19.44	19.44	19.44	15.65V	31.3V
Maximum Current Impp(a)	0.68	2.05	4.09	6.84	10.26	5.13
Open Circuit Voltage Voc(V)	22.0	22.1	22.1	22.1	16.24V	32.48V
Short Circuit Current Isc(a)	0.73	2.31	4.34	7.23	10.87	5.44
Module Efficiency (%)	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%
Tc Of Open Circuit Voltage( $\beta$ )	-0.310%/°C	-0.310%/°C	-0.310%/°C	-0.310%/°C	-0.310%/°C	-0.310%/°C
Tc Of Short Circuit Current( $\alpha$ )	0.052%/°C	0.052%/°C	0.052%/°C	0.052%/°C	0.052%/°C	0.052%/°C
Tc Of Power( $\gamma$ )	-0.409%/°C	-0.409%/°C	-0.409%/°C	-0.409%/°C	-0.409%/°C	-0.409%/°C
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V
Length x Width	360mm x 250 mm	554mm x 335 mm	690mm x 550 mm	1008mm x 684 mm	1200mm x 750 mm	1250mm x 750 mm
Weight	0.25Kg	0.35Kg	0.7Kg	1.2Kg	1.25Kg	1.25Kg
Junction Box	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes	IP67, 1 by pass diodes
Cells	36 Monocrystalline solar cells, 5 bus bars	36 Monocrystalline solar cells, 5 bus bars	72 Monocrystalline solar cells, 5 bus bars	72 Monocrystalline solar cells, 5 bus bars	56 Monocrystalline solar cells, 5 bus bars	56 Monocrystalline solar cells, 5 bus bars
Back Sheet	Composite Film	Composite Film	Composite Film	Composite Film	Composite film	Composite film
Frame	Frameless	Frameless	Frameless	Frameless	Frame Less	Frame Less



Warranty On Product One Year

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