



## PRODUCT DATASHEET : 50 - 300 WP SERIES



- \* High power module using Polycrystalline silicon solar cells with high conversion efficiency
- \* Better cell to module conversion efficiency
- \* Designed for optimum use in residential, commercial and utility scale installations
- \* High-transmissivity, tempered glass for enhanced stiffness and impact resistance
- \* Robust, anodized aluminum frame for extended outdoor use
- \* Nominal 24V / 12V DC output, for grid connected systems

## KS12P SERIES

Electrical Specifications at STC*	50Wp	75Wp	100Wp	150Wp	200Wp	250Wp	300Wp
Power Rating (P max)	50	75	100	150	-	-	-
Open Circuit Voltage (V oc)	22.5	22.5	22.5	22.5	-	-	-
Short Circuit Current (I sc)	2.9	4.27	5.7	8.55	-	-	-
Maximum Power Voltage (V mp)	18	18.7	18.7	18.7	-	-	-
Maximum Power Current (I mp)	2.7	4.03	5.37	8.6	-	-	-
Module Efficiency (%)	13	14.6	14.6	15.3	-	-	-
Weight of the PV module (kg)	4.5	7.0	8.0	11.00	-	-	-

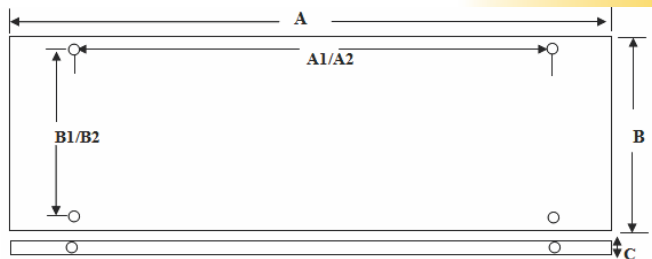
## KS24P SERIES

Electrical Specifications at STC*	50Wp	75Wp	100Wp	150Wp	200Wp	250Wp	300Wp
Power Rating (P max)	-	-	-	-	200	250	300
Open Circuit Voltage (V oc)	-	-	-	-	44.6	37.2	45
Short Circuit Current (I sc)	-	-	-	-	5.7	8.55	8.58
Maximum Power Voltage (V mp)	-	-	-	-	36.7	30.7	36.9
Maximum Power Current (I mp)	-	-	-	-	5.45	8.15	8.14
Module Efficiency (%)	-	-	-	-	14.9	15.7	15.7
Weight of the PV module (kg)	-	-	-	-	14	17	21.0

## KS12/24P SERIES

Dimensional Specifications in mm	50Wp	75Wp	100Wp	150Wp	200Wp	250Wp	300Wp
Length (A) mm	560	775	1030	1475	1360	1640	1960
Width (B) mm	665	665	665	665	990	990	990
Thickness (C) mm	35	35	35	35	35	35	40
Mounting Hole Position A1 / A2 (mm)	350/300±1	450/400±1	500/500±1	750/800±1	700/700±1	960/860±1	1154/1176±1
Mounting Hole Position B1 / B2 (mm)	635/629±1	635/629±1	625/629±1	629/625±1	950/954.4±1	950/940±1	950/940±1

## DIMENSIONS



Note:

\*Standard test conditions under 1000W/m<sup>2</sup> and cell Temperature 25° C

\*\*Nominal Cell operating Temperature of 46°C ± 2° C

## PRODUCT FEATURES

Tolerance at Pmax (%)	0%+2%
Maximum System Voltage (VDC) IEC	1000V DC
Output Cable (mm)	1000
Connectors (Type)	MC-4
Temperature Coefficient of I <sub>sc</sub> (%/°C)	+0.05
Temperature Coefficient of V <sub>oc</sub> (%/°C)	-0.35
Temperature Coefficient of P <sub>max</sub> (%/°C)	-0.45
Certifications (IEC)	IEC 61215, IEC 61730-1 & 2, IEC 61701, 62804

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