

# Solar Photovoltaic Modules



An ISO9001:2008  
Company

## 8 Watts to 240 Watts

Poly Crystalline Technology



### *Power Packed Modules for Powerful Performance*



#### **High Performance Solar Cell**

The electrical performance of every manufactured solar cell is individually tested and sorted according to very narrow current classes. This means that you get a high performance solar cell with precisely defined characteristics. The performance of the solar cell is measured at Standard Test Conditions (STC): 1000 W/m<sup>2</sup>, AM 1.5, 25 °C



Typical picture of  
KL210/KL220/KL230/KL240

## Module Specifications

Model	KL008	KL010	KL012	KL015	KL018	KL020	KL024	KL025
Pmax	8 Wp	10 Wp	12 Wp	15 Wp	18 Wp	20 Wp	24 Wp	25 Wp
Voc	21.5 V	21.5 V	21.5 V	21.5 V	21.0 V	21.0 V	21.5 V	21.5 V
Vmpp	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V
Isc	0.52 A	0.65 A	0.79 A	0.98 A	1.18 A	1.31 A	1.15 A	1.64 A
Imp	0.47 A	0.59 A	0.70 A	0.88 A	1.06 A	1.17 A	1.41 A	1.46 A
Tolerance	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Cell Size (mm)	26 x 78	26 x 78	18 x 156	18 x 156	24 x 156	24 x 156	31.2 x 156	31.2 x 156
No. of cells	36	36	36	36	36	36	36	36
Dimensions (mm)	345 x 285	345 x 285	405 x 345	405 x 345	525 x 345	525 x 345	655 x 345	655 x 345

Model	KL030	KL037	KL040	KL045	KL050	KL055	KL060	KL065
Pmax	30 Wp	37 Wp	40 Wp	45 Wp	50 Wp	55 Wp	60Wp	70 Wp
Voc	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V
Vmpp	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V
Isc	1.97 A	2.42 A	2.62 A	2.94 A	3.28 A	3.60 A	3.92 A	4.25 A
Imp	1.76 A	2.17 A	2.34 A	2.64 A	2.93 A	3.22 A	3.51 A	3.81 A
Tolerance	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Cell Size (mm)	44 x 156	44 x 156	44 x156	63 x 156	63 x156	63 x 156	63 x 156	78 x 156
No. of cells	36	36	36	36	36	36	36	36
Dimensions (mm)	890 x 345	890 x 345	890x345	665x665	665x665	665x665	665 x 665	775 x 665

Model	KL070	KL075	KL080	KL085	KL090	KL 100*	KL110*	KL120*
Pmax	70 Wp	75 Wp	80 Wp	85 Wp	90 Wp	100 Wp	110 Wp	120 Wp
Voc	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V	21.5 V
Vmpp	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V	17.1 V
Isc	4.59 A	4.90 A	5.24 A	5.57 A	5.90 A	6.55 A	7.20 A	7.85 A
Imp	4.10 A	4.38 A	4.68 A	4.98 A	5.27 A	5.85 A	6.44 A	7.02 A
Tolerance	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%
Cell Size (mm)	78 x 156	78 x 156	88 x156	88 x156	93 x156	112 x 156	112 x 156	132 x 156
No. of cells	36	36	36	36	36	36	36	36
Dimensions (mm)	775 x 665	775 x 665	890 x 665	890 x 665	890 x 665	1095 x 665	1095 x 665	1325 x 665

Model	KL130*	KL140*	KL150*	KL170**	KL180**	KL190	KL200**
Pmax	130 Wp	140 Wp	150 Wp	170 Wp	180 Wp	190 Wp	200 Wp
Voc	21.8 V	21.8 V	21.8 V	30.3 V	30.3 V	30.3 V	30.3 V
Vmpp	17.3 V	17.3 V	17.3 V	23.75 V	23.75 V	23.75 V	26.50 V
Isc	8.42 A	9.07 A	9.72 A	8.01 A	8.48 A	9.04 A	8.30 A
Imp	7.52 A	8.10 A	8.68 A	7.16 A	7.58 A	8.00 A	7.54 A
Tolerance	±10%	±10%	±7.5%	±7.5%	±7.5%	±7.5%	±7.5%
Cell Size (mm)	156 x156	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156	156 x 156
No. of cells	36	36	36	50	50	50	50
Dimensions (mm)	1480 x 665	1480 x 665	1480 x 665	1630 x 840	1630 x 840	1630 x 840	1630 x 840

\*Also available on 24V(72cells)

\*\*Also available on 24V(70cells)

Model	KL210*	KL220*	KL230*	KL240*
Pmax	210 Wp	220 Wp	230 Wp	240 Wp
Voc	35.7 V	36.0 V	36.0 V	36.2 V
Vmpp	28.2 V	28.4V	28.6 V	29.0 V
Isc	7.98 A	8.30 A	8.45 A	8.50 A
Imp	7.45 A	7.75 A	8.05 A	8.28 A
Tolerance	±7.5%	±7.5%	±7.5%	±7.5%
Cell Size (mm)	156 x 156	156 x 156	156 x156	156 X 156
No. of cells	60	60	60	60
Dimensions (mm)	1637 x 992	1637 x 992	1637 x 992	1637 x 992



ISO 9001:2008  
Certified Company

**UDHAYA SEMICONDUCTORS LIMITED, 1/482, Avinashi Road, Neelambur, Coimbatore – 641 062,**  
**Phone: +91 422 2627003, 9994404511, email: info@uslsolar.com, Web site: www.uslsolar.com.**