













Harvesting

THE POWER OF SUN

KEY FEATURES

-  5 Busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.
-  IP68 junction box for long-term weather endurance.
-  Heavy snow load up to 5400 Pa.
Wind load upto 2400Pa.
-  Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.
-  First choice for millions of banks and investors, this size is well-suited for almost all PV applications.
-  Higher module conversion efficiency (up to 20.15%) benefit from Passivated Emitter Rear Contact (PERC) technology
-  Positive tolerance of up to 3% delivers higher output reliability.
-  100% In-House automatic manufacturing.
-  Certified for PID free modules.
-  Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.

ISO9001:2015, ISO 14001:2004, OHSAS 18001:2007 certified company
IEC61215, IEC61730, IEC62804(PID), IEC61701, IEC62716, IEC61853 certified products



Electrical Parameters at Standard Test Conditions STC & NOCT

Model Type	LE24M385		LE24M390		LE24M395		LE24M400	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output Pmax (W)	385	287.98	390	291.72	395	295.46	400	299.20
Voltage at Pmax V _{mpp} (V)	41.3	38.62	41.61	38.91	41.82	39.10	41.95	39.22
Current at Pmax I _{mpp} (I)	9.34	7.46	9.38	7.50	9.45	7.56	9.54	7.63
Open-circuit Voltage VOC (V)	48.56	45.65	48.64	45.72	48.82	45.89	48.97	46.03
Short-circuit Current ISC (I)	9.95	7.99	9.99	8.02	10.06	8.08	10.11	8.12
Module Efficiency % (%)	19.39		19.64		19.89		20.15	

STC : 1000 W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.
 NOCT : 800 W/m² irradiance, ambient temperature 20°C, wind speed 1 m/sec

Thermal Characteristics

Nominal Operating Cell Temperature	NOCT	°C	46+/-2
Temperature Coefficient of Pmax	γ	%/°C	-0.350
Temperature Coefficient of VOC	β	%/°C	-0.301
Temperature Coefficient of ISC	α	%/°C	0.05

Operating Conditions

Max. System Voltage	1500Vdc
Max. Series Fuse Rating	15A
Limiting Reverse Current	20A
Operating Temperature Range	-40°C to 85°C
Max. Static Load, Front	5400Pa
Max. Static Load, Back (e.g., wind)	2400Pa
Max. Hailstone Impact (diameter / velocity)	25mm / 23.3 m / s

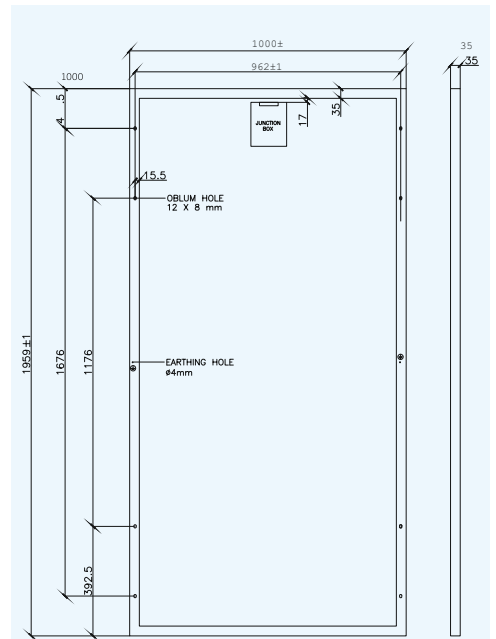
Mechanical Data

Dimensions (L / W / H)	1985mm / 1000mm / 35mm
Weight	21.5kg
Front Cover (material / thickness)	AR coated high transmission low iron tempered glass / 3.2 mm
Cell (qty. / material / dim./no. of busbars)	72 / PERC Monocrystalline Silicon / 156.75mm x 156.75mm / 5BB
Encapsulate (material)	Ethylene vinyl acetate (EVA)
Backsheet	UV Protected
Frame (material / color)	Anodized aluminum alloy / silver
Junction Box (protection degree)	IP68, 3 bypass diodes
Cable (length / cross-sectional area)	1200mm / 4mm ²
Plug Connector (type / protection degree)	MC4 / IP68

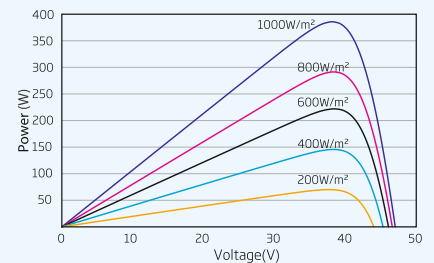
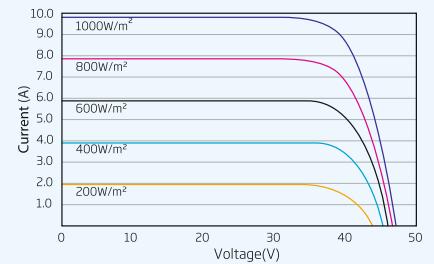
Packaging Specifications

Number of Modules Per Pallet	30
Number of Pallets per 40' Container	24
Packaging Box Dimensions (L / W / H)	2005mm / 1115mm / 1150mm
Box Weight	700kg

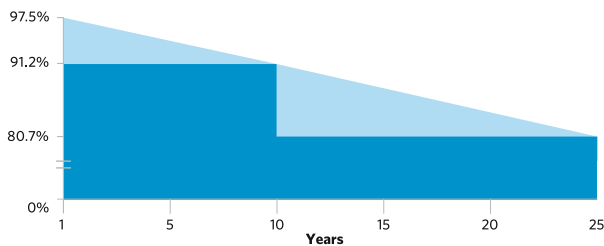
Engineering Drawing (mm)



Electrical Performance



LINEAR PERFORMANCE WARRANTY



- 90% of the specified minimum output of the module for a 10 years period
- 10-year product warranty
- 80% of the specified minimum output of the module for a 25 years period
- 25-year linear performance warranty

■ Lubi Linear Performance Warranty ■ Industry Standard Warranty



Lubi Electronics

Sardar Patel Ring Road, Nr. Karai Gam Patia, Nana Chiloda, Dist. : Gandhinagar - 382 330. Gujarat, INDIA

WhatsApp : +91-9099 933 445 | Tel. : +91-79-6674 5300 | Fax : +91-79-6674 5599 | E-mail : lubi@lubielectronics.com | Website : www.lubielectronics.com