

SOLAR PANEL



**30 YEARS PANEL
WARRANTY**



**95% SAVING ON
ELECTRICITY EXPENSES**



Ip68 Junction Box For High
Waterproof level



LCOE Is Cut Back by using M10 size solar cell
with adding more power output than lower
size cell module



Field Reliability is improved due to multiple
contact points on the cell which lowers the
cell stress during module fabrication



AR Coated Tempered Glass Anti-
Reflective Module Surface



Excellent Module Efficiency



Pre and Post EL Checking to ensure
defect free module



Excellent module conversion
efficiency of up to 21.3%

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LUMENBERG



Gallium-doped Mono c-Si PERC, Half-cut cells, 158.75 mm, 1500V, 144-cell			SU144C-MB-405		SU144C-MB-410		SU144C-MB-415				
<u>Lumenberg</u>			STC	NOCT	STC	NOCT	STC	NOCT			
Nominal Max. Power	Pmax (Wp)		405	302	410	306	415	309			
Maximum Power Voltage	Vmp (V)		41.59	38.80	41.85	39.00	42.09	39.20			
Maximum Power Current	Imp (A)		9.74	7.79	9.80	7.84	9.86	7.89			
Open-Circuit Voltage	Voc (V)		49.53	46.60	49.80	46.80	50.51	47.00			
Short-Circuit Current	Isc (A)		10.31	8.25	10.38	8.30	10.44	8.35			
Module efficiency	(%)		20.18		20.43		20.68		0.00		
Power Tolerance	Pmax (Wp)		0~+5								
Maximum System Voltage DC	(V)		1500								
Maximum Series Fuse Rating	(A)		15								
Operating temperature	(°C)		-40~+85								
Temp. coefficients of Pmax	(%/°C)		-0.353								
Temp. coefficients of Voc	(%/°C)		-0.277								
Temp. coefficients of Isc	(%/°C)		0.04								
Nom. Operating cell temp. (NOCT)	(°C)		45±2								
Cell Type			Mono 158.75*79.38mm								
Dimensions	*		2015*996*35								
Weight			21 kg								
Junction Box			IP68, 3 Bypass Diodes								
Output Cable			350mm								
Connector Type			PV Connector								
Hail Resistance			distance 1m, Hail stone Diameter 25mm, Speed 23m/s								
Wind Load			2400 Pa / 244 kg/ m²								
Mechanical Load			5400 Pa / 550 kg/ m²								
Packing Configuration			62/66								
Loading Capacity (20GP)			310								
Loading Capacity (40HQ)			726								
Size / Pallet (mm)			2045*1140*2235/2045*1140*2395								
Weight / Pallet			1418/1505kg								