

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



Defects Pre and Post EL Checking to ensure
defect free module



Excellent module conversion
efficiency of up to 21.3%

 www.sunithon.com

 Support@sunithon.com

 1138 Szekszárdi utca 9, 13 kerület,
Budapest, Hungary



LUMENBERG



mono, 1/2 cut cell 182mm, 1500V, 72-cell			SU144C-MD-530		SU144C-MD-535		SU144C-MD-540		SU144C-MD-545		SU144C-MD-550	
<u>Lumenberg</u>			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
NominalMax.Power	Pmax (Wp)		530	400	535	403	540	407	545	410	550	414
Maximum Power Voltage	Vmp (V)		41.70	39.30	41.93	39.50	42.15	39.70	42.38	39.90	42.57	40.10
Maximum Power Current	Imp (A)		12.71	10.17	12.76	10.21	12.81	10.25	12.86	10.29	12.92	10.34
Open-Circuit Voltage	Voc (V)		49.65	47.00	49.78	47.20	49.90	47.40	50.01	47.60	51.44	47.80
Short-Circuit Current	Isc (A)		13.47	10.78	13.52	10.82	13.57	10.86	13.62	10.90	13.67	10.94
Module efficiency	(%)		20.53		20.73		20.92		21.12		21.31	
Power Tolerance	Pmax (Wp)		0~+5									
Maximum System Voltage DC	(V)		1500									
Maximum Series Fuse Rating	(A)		25									
Operating temperature	(°C)		-40~+85									
Temp. coefficients of Pmax	(%/°C)		-0.350									
Temp. coefficients of Voc	(%/°C)		-0.275									
Temp. coefficients of Isc	(%/°C)		0.045									
Nom. Operating cell temp. (NOCT)	(°C)		45±2									
Cell Type			Mono 182*91mm									
Dimensions			2278*1133*35									
Weight			27 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			31/62									
Loading Capacity (20GP)			155									
Loading Capacity (40HQ)			620									
Size / Pallet (mm)			2310*1140*1245/2310*1140*2490									
Weight / Pallet			902/1804									