

# SOLAR PANEL



**30 YEARS PANEL  
WARRANTY**



**95% SAVING ON  
ELECTRICITY EXPENSES**



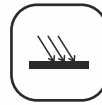
Ip68 Junction Box For High  
Waterproof level



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%

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# LUMENBERG



mono. 1/2 cut cell 210mm, 1500V, 60-cell			SU120-ME-580		SU120-ME-585		SU120-ME-590		SU120-ME-595		SU120-ME-600	
			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
	<a href="#">Back</a>											
	NominalMax.Power	Pmax (Wp)	580	436	585	440	590	444	595	448	600	452
	Maximum Power Voltage	Vmp (V)	33.60	31.60	33.80	31.80	34.00	32.00	34.20	32.20	34.40	32.40
	Maximum Power Current	Imp (A)	17.26	13.81	17.31	13.85	17.35	13.88	17.40	13.92	17.44	13.95
	Open-Circuit Voltage	Voc (V)	40.70	37.90	40.90	38.10	41.10	38.30	41.30	38.50	41.50	38.70
	Short-Circuit Current	Isc (A)	17.81	14.25	18.37	14.70	18.42	14.74	18.47	14.78	18.52	14.82
	Module efficiency	(%)	20.49		20.67		20.85		21.02		21.20	
	Power Tolerance	Pmax (Wp)	0~+5									
	Maximum System Voltage DC	(V)	1500									
	Maximum Series Fuse Rating	(A)	30									
	Operating temperature	(°C)	-40~+85									
	Temp. coefficients of Pmax	(%/°C)	-0.340									
	Temp. coefficients of Voc	(%/°C)	-0.25									
	Temp. coefficients of Isc	(%/°C)	0.04									
	Nom. Operating cell temp. (NOCT)	(°C)	43±2									
	Cell Type		Mono 210*105mm									
	Dimensions		2172*1303*35									
	Weight		30.9 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									
	Loading Capacity (20GP)		155									
	Loading Capacity (40HQ)		527									
	Size / Pallet (mm)		2200*1140*1425/1350*1145*2310 (Upright)									
	Weight / Pallet		1020/996									