

SOLAR PANEL



**30 YEARS PANEL
WARRANTY**



**95% SAVING ON
ELECTRICITY EXPENSES**



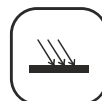
Ip68 Junction Box For High
Waterproof level



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

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GERMANY



Mono, half cut cell 210mm, 1500V, 60-cell (BD)			SU120C-BD-580		SU120C-BD-585		SU120C-BD-590		SU120C-BD-595		SU120C-BD-600	
Helioskraft			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
	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		35.3 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		1156/1132									