

SOLAR PANEL



**30 YEARS PANEL
WARRANTY**



**95% SAVING ON
ELECTRICITY EXPENSES**



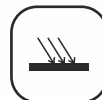
Ip68 Junction Box For High
Waterproof level



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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HELIOSKRAFT



Mono, half cut cell 182mm, 1500V, 60-cell (BD)			SU120C-BD-440		SU120C-BD-445		SU120C-BD-450		SU120C-BD-455		SU120C-BD-460	
Helioskraft			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
	NominalMax.Power	Pmax (Wp)	440	331	445	335	450	338	455	342	460	345
	Maximum Power Voltage	Vmp (V)	34.62	32.60	34.87	32.80	35.13	33.00	35.38	33.20	35.60	33.40
	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)	41.35	38.80	41.66	39.00	41.98	39.20	42.29	39.40	42.60	39.60
	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	(%)	20.33		20.56		20.79		21.03		21.26	
	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		1910*1133*35									
	Weight		29 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)		744									
	Size / Pallet (mm)		1945*1140*1245/1945*1140*2490									
	Weight / Pallet		954/1908									