

SOLAR PANEL



**30 YEARS PANEL
WARRANTY**



**95% SAVING ON
ELECTRICITY EXPENSES**



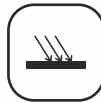
Ip68 Junction Box For High
Waterproof level



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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GERMANY
TECHNOLOGY

LICHTSTROM



Mono c-Si PERC, Shingled cells, 210 mm, 1500V, 46E-cell			SU46C-E-420		SU46C-E-425		SU46C-E-430		SU46C-E-435		SU46C-E-440		SU46C-E-445	
Lichtstrom			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
功率	NominalMax.Power	Pmax (Wp)	420	316	425	320	430	324	435	328	440	331	445	335
最佳工作电压	Maximum Power V	Vmp (V)	35.90	34.20	36.00	34.30	36.10	34.40	36.20	34.50	36.30	34.60	36.40	34.70
最佳工作电流	Maximum Power I	Imp (A)	11.71	9.24	11.81	9.32	11.92	9.41	12.02	9.49	12.13	9.57	12.23	9.66
开路电压	Open-Circuit Voltage	Voc (V)	43.30	41.30	43.40	41.40	43.50	41.50	43.60	41.60	43.70	41.70	43.80	41.80
短路电流	Short-Circuit Current	Isc (A)	12.46	10.05	12.56	10.14	12.68	10.23	12.79	10.32	12.90	10.41	13.01	10.50
组件效率	Module efficiency	(%)	20.20		20.40		20.70		20.90		21.10		21.40	
功率误差	Power Tolerance	Pmax (Wp)	0~+5											
最大系统电压	Maximum System Voltage	(V)	1500											
最大额定熔断电流	Maximum Series Fuse	(A)	25											
工作温度范围	Operating temperature	(°C)	-40~+85											
最大功率/温度系数	Temp. coefficients	(%/°C)	-0.34											
开路电压/温度系数	Temp. coefficients	(%/°C)	-0.27											
短路电流/温度系数	Temp. coefficients	(%/°C)	0.04											
名义电池工作温度	Nom. Operating cell temperature	(°C)	42.3±2											
电池种类	Cell Type		210mm											
组件尺寸	Dimensions		1899*1096*30mm											
组件重量	Weight		21.8 kg											
接线盒	Junction Box		IP68, 2 Bypass Diodes											
线长	Output Cable		+500mm/-1100mm(Vertical), +250mm/-150mm(Horizontal)											
连接器种类	Connector Type		PV Connector											
抗冰雹能力	Hail Resistance		distance 1m,Hail stone Diameter 25mm,Speed 23m/s											
风压负载	Wind Load		2400 Pa / 244 kg/ m²											
机械负载	Mechanical Load		5400 Pa / 550 kg/ m²											
大托所含数量	Packing Configuration		36/72											
40大柜装箱数量	Loading Capacity (40HQ)		864											
大托尺寸	Size / Pallet (mm)		1916*1125*1230/1916*1125*2460											
大托重量	Weight / Pallet		825/1650											