

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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mono, 1/2 cut cell 166mm, 1500V, 72-cell (BS)			SU144C-BS-430		SU144C-BS-435		SU144C-BS-440		SU144C-BS-445		SU144C-BS-450	
Sonnenwerk			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
功率	NominalMax.Power	Pmax (Wp)	430	324	435	328	440	332	445	335	450	339
最佳工作电压	Maximum Power Voltage	Vmp (V)	40.60	38.20	40.80	38.40	41.00	38.60	41.20	38.80	41.40	39.00
最佳工作电流	Maximum Power Current	Imp (A)	10.60	8.48	10.67	8.54	10.74	8.59	10.80	8.64	10.87	8.70
开路电压	Open-Circuit Voltage	Voc (V)	49.20	46.30	49.40	46.50	49.60	46.70	49.80	46.90	50.00	47.10
短路电流	Short-Circuit Current	Isc (A)	11.19	8.95	11.26	9.01	11.33	9.06	11.46	9.16	11.54	9.23
组件效率	Module efficiency	(%)	19.78		20.01		20.24		20.47		20.70	
功率误差	Power Tolerance	Pmax (Wp)	0~+5									
最大系统电压	Maximum System Voltage DC	(V)	1500									
最大额定熔断电流	Maximum Series Fuse Rating	(A)	20									
工作温度范围	Operating temperature	(°C)	-40~+85									
最大功率/温度系数	Temp. coefficients of Pmax	(%/°C)	-0.370									
开路电压/温度系数	Temp. coefficients of Voc	(%/°C)	-0.286									
短路电流/温度系数	Temp. coefficients of Isc	(%/°C)	0.057									
名义电池工作温度	Nom. Operating cell temp. (NOCT)	(°C)	45±2									
电池种类	Cell Type		Mono 166*83mm									
组件尺寸	Dimensions		2094*1038*35									
组件重量	Weight		23 kg									
接线盒	Junction Box		IP68, 3 Bypass Diodes									
线长	Output Cable		350mm									
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		36/64									
20小柜装箱数量	Loading Capacity (20GP)		180									
40大柜装箱数量	Loading Capacity (40HQ)		704									
大托尺寸	Size / Pallet (mm)		2125*1140*1390/2125*1140*2415									
大托重量	Weight / Pallet		890/1596									