

# SOLAR PANEL



**30 YEARS PANEL  
WARRANTY**



**95% SAVING ON  
ELECTRICITY EXPENSES**



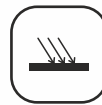
Ip68 Junction Box For High  
Waterproof level



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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# SONNENWERK



mono, 1/2 cut cell 210mm, 1500V, 66-cell ( BS )			SU132C-BS-640		SU132C-BS-645		SU132C-BS-650		SU132C-BS-655		SU132C-BS-660	
Sonnenwerk			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
NominalMax.Power	Pmax (Wp)		640	480	645	484	650	488	655	492	660	496
Maximum Power Voltage	Vmp (V)		37.00	34.70	37.20	34.90	37.40	35.10	37.60	35.30	37.80	35.50
Maximum Power Current	Imp (A)		17.30	13.84	17.34	13.87	17.38	13.90	17.42	13.94	17.46	13.97
Open-Circuit Voltage	Voc (V)		45.10	42.00	45.30	42.20	45.50	42.40	45.70	42.60	45.90	42.80
Short-Circuit Current	Isc (A)		17.74	14.19	18.25	14.60	18.32	14.66	18.38	14.70	18.43	14.74
Module efficiency	(%)		20.60		20.76		20.92		21.09		21.25	
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			2384*1303*35									
Weight			33.9 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)			124									
Loading Capacity (40HQ)			527									
Size / Pallet (mm)			2415*1140*1425/1350*1140*2500 ( Upright )									
Weight / Pallet			1120/1090									