

SOLAR PANEL



30 YEARS PANEL WARRANTY



95% SAVING ON ELECTRICITY EXPENSES



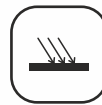
Ip68 Junction Box For High Waterproof level



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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SOLVANTIS



N-type Heterojunction technology, Half-cut cells, 166 mm, 1500V, 72-cell (BDS)			SU144C-BDS-460		SU144C-BDS-465		SU144C-BDS-470		SU144C-BDS-475		SU144C-BDS-480	
Solvantis			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
NominalMax.Power	Pmax (Wp)		460	344	465	347	470	351	475	355	480	358
Maximum Power Voltage	Vmp (V)		45.24	41.70	45.44	41.90	45.66	42.11	45.86	42.35	46.08	42.51
Maximum Power Current	Imp (A)		10.18	8.24	10.24	8.29	10.30	8.34	10.36	8.38	10.43	8.43
Open-Circuit Voltage	Voc (V)		53.22	49.52	53.35	49.64	53.48	49.77	53.61	50.09	53.74	5.21
Short-Circuit Current	Isc (A)		10.58	8.49	10.64	8.53	10.70	8.54	10.76	8.55	10.82	8.60
Module efficiency	(%)		21.16		21.39		21.62		21.85		22.08	
Power Tolerance	Pmax (Wp)		0~+5									
Maximum System Voltage DC	(V)		1500									
Maximum Series Fuse Rating	(A)		20									
Operating temperature	(°C)		-40~+85									
Temp. coefficients of Pmax	(%/°C)		-0.26									
Temp. coefficients of Voc	(%/°C)		-0.24									
Temp. coefficients of Isc	(%/°C)		0.04									
Nom. Operating cell temp. (NOCT)	(°C)		44±2									
Cell Type			HJT 166*83mm									
Dimensions			2094*1038*30									
Weight			27.5 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			35/70									
Loading Capacity (20GP)			175									
Loading Capacity (40HQ)			770									
Size / Pallet (mm)			2125*1140*1160/2125*1140*2320									
Weight / Pallet			1023/2046									