

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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ENERGISTRA



Mono c-Si PERC, Shingled cells, 210 mm, 1500V, 44F-cell			SU44C-F-405		SU44C-F-410		SU44C-F-415		SU44C-F-420		SU44C-F-425		SU44C-F-430	
Energistra			STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
NominalMax.Power	Pmax (Wp)		405	305	410	309	415	312	420	316	425	320	430	324
Maximum Power Voltage	Vmp (V)		34.30	32.70	34.40	32.80	34.40	32.80	34.50	32.90	34.60	33.00	34.70	33.10
Maximum Power Current	Imp (A)		11.82	9.33	11.93	9.41	12.08	9.53	12.19	9.62	12.30	9.70	12.40	9.79
Open-Circuit Voltage	Voc (V)		41.30	39.40	41.40	39.50	41.50	39.60	41.60	39.70	41.70	39.80	41.80	39.80
Short-Circuit Current	Isc (A)		12.53	10.09	12.65	10.19	12.80	10.31	12.92	10.41	13.03	10.50	13.05	10.51
Module efficiency	(%)		20.40		20.60		20.90		21.10		21.40		21.70	
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)		-0.34											
Temp. coefficients of Voc	(%/°C)		-0.27											
Temp. coefficients of Isc	(%/°C)		0.04											
Nom. Operating cell temp. (NOCT)	(°C)		42.3±2											
Cell Type			210mm											
Dimensions			1812*1096*30mm											
Weight			20.8 kg											
Junction Box			IP68, 2 Bypass Diodes											
Output Cable			+300mm/-1000mm(Vertical), +220mm/-180mm(Horizontal)											
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			72/60											
Loading Capacity (40HQ)			924(12*72+1*60)											
Size / Pallet (mm)			1826*1125*2440/1826*938*2440											
Weight / Pallet			1548/1298.4											