

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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LICHTSTROM



| Mono c-Si PERC, Shingled cells, 210 mm, 150W, 48E-cell | | | SUN4C-E-420 | | SUN4C-E-425 | | SUN4C-E-430 | | SUN4C-E-435 | | SUN4C-E-440 | | SUN4C-E-445 | |
|--|-----------------------|--|---|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
| Lightstorm | | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Nominal Max Power | P _{max} (Wp) | | 420 | 316 | 425 | 320 | 430 | 324 | 435 | 328 | 440 | 331 | 445 | 335 |
| Maximum Power Voltage | V _{mp} (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 |
| Maximum Power Current | I _{mp} (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 |
| Open-Circuit Voltage | V _{oc} (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 |
| Short-Circuit Current | I _{sc} (A) | | 12.48 | 10.05 | 12.56 | 10.14 | 12.68 | 10.23 | 12.79 | 10.32 | 12.90 | 10.41 | 13.01 | 10.50 |
| Module efficiency | (%) | | 20.20 | | 20.40 | | 20.70 | | 20.90 | | 21.10 | | 21.40 | |
| Power Tolerance | P _{max} (Wp) | | 0~+5 | | | | | | | | | | | |
| Maximum System Voltage DC | (V) | | 1500 | | | | | | | | | | | |
| Maximum Series Fuse Rating | (A) | | 25 | | | | | | | | | | | |
| Operating temperature | (°C) | | -40~+85 | | | | | | | | | | | |
| Temp. coefficient of P _{max} | (%/°C) | | -0.34 | | | | | | | | | | | |
| Temp. coefficient of V _{oc} | (%/°C) | | -0.27 | | | | | | | | | | | |
| Temp. coefficient of I _{sc} | (%/°C) | | 0.04 | | | | | | | | | | | |
| Nom. Operating cell temp. (NOCT) | (°C) | | 42.3±2 | | | | | | | | | | | |
| Cell Type | | | 210mm | | | | | | | | | | | |
| Dimensions | | | 1699*1050*30mm | | | | | | | | | | | |
| Weight | | | 21.8 kg | | | | | | | | | | | |
| Junction Box | | | IP68, 2 Bypass Diodes | | | | | | | | | | | |
| Output Cable | | | +500mm/-1100mm(Vertical), +250mm/-150mm(Horizontal) | | | | | | | | | | | |
| Connector Type | | | PV Connector | | | | | | | | | | | |
| Hail Resistance | | | distance 1m, Hail stone Diameter 25mm, Speed 23m/s | | | | | | | | | | | |
| Wind Load | | | 2400 Pa / 244 kg/m ² | | | | | | | | | | | |
| Mechanical Load | | | 5400 Pa / 550 kg/m ² | | | | | | | | | | | |
| Packing Configuration | | | 3672 | | | | | | | | | | | |
| Loading Capacity (40Hz) | | | 864 | | | | | | | | | | | |
| Size / Pallet (mm) | | | 1916*1120*1230/1916*1120*2460 | | | | | | | | | | | |
| Weight / Pallet | | | 820/1660 | | | | | | | | | | | |