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Solar Panel Guide Specification Data Sheet

**Senta Energy Co., Ltd.
Solar Panels-ST100W-Mono5
ST100M5-36**

Also available on the web at
EnergyPal.com/senta-energy-co-ltd-solar-panels/st100m5-36



Electrical Performance (STC: AM 1.5, 1000W/m², 25°C)

Module Type	ST210M5-72	ST205M5-72	ST200M5-72	ST105M5-36	ST100M5-36
Maximum Power (P _{max} / W)	210	205	200	105	100
Power Tolerance	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%	0 ~ +3%
Maximum Power Voltage (V _m / V)	38.0	37.8	37.5	19.0	18.7
Maximum Power Current (I _m / A)	5.54	5.45	5.34	5.55	5.36
Open Circuit Voltage (V _{oc} / V)	45.3	45.1	44.9	22.6	22.5
Short Circuit Current (I _{sc} / A)	5.97	5.90	5.79	5.97	5.79
Module Efficiency (%)	16.45	16.06	15.67	16.07	15.3

System Design

Static Load (Front/Back)	5400Pa/2400Pa	Maximum System Voltage (VDC)	600
Application class	Class A	Maximum Series Fuse Rating (A)	10
Fire safety class (IEC61730)	Class C	Operating Module Temperature (°C)	-40 to +85

Operation Conditions

Mechanical Properties

Dimensions (L×W×H / mm)	1580×808×35	1580×808×35	1580×808×35	1196×545×30	1196×545×30
Weight (Kg)	13.5	13.5	13.5	8.5	8.5
Sizes of Cells (L×W/mm)	125×125	125×125	125×125	125×125	125×125
No. of Cells (pcs)	72 (6×12)	72 (6×12)	72 (6×12)	36 (4×9)	36 (4×9)
Sizes of Junction box cable (mm ² /mm)	4 / 900	4 / 900	4 / 900	4 / 600	4 / 600
Container 20GP(pcs)	372	372	372	792	792
Container 40HQ(pcs)	952	952	952	2088	2088

