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# **EnergyPal**

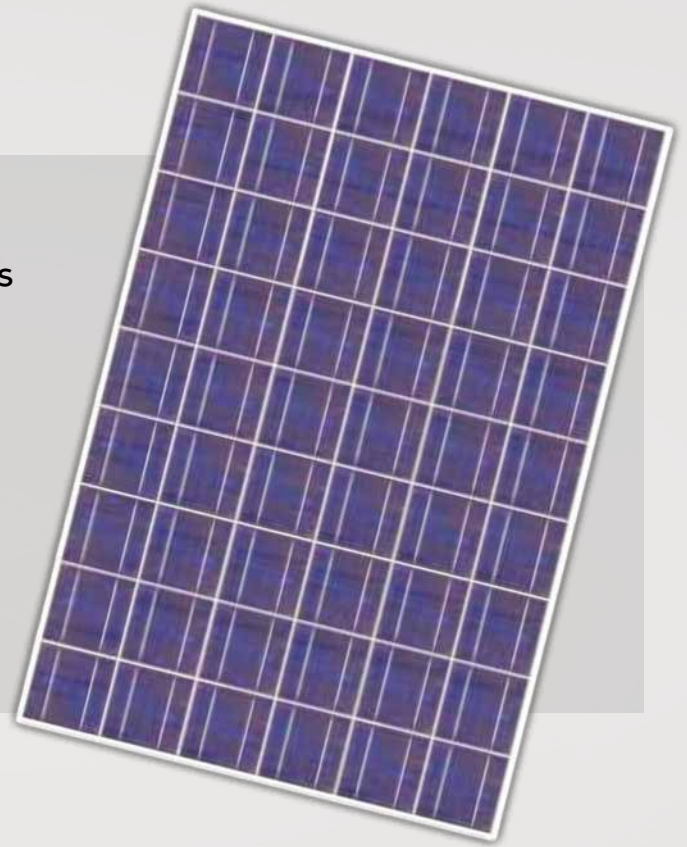
## **Solar Panel Guide Specification Data Sheet**

**Trenerg LLC  
FSDS230-250w  
FSDS6250**

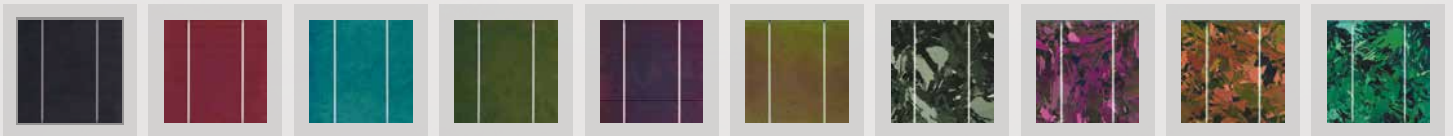
Also available on the web at  
[EnergyPal.com/trenerg-llc-solar-panels/fsds6250](http://EnergyPal.com/trenerg-llc-solar-panels/fsds6250)

### FEATURES

- High Quality Polycrystalline Silicon Solar Cells
- Positive Power Tolerance
- 5 (12, 25) Years Guarantee (90-80%)
- Highest Quality Standards
- Module Efficiency up to 18%
- Reliable and Robust Design
- High Quality Materials



### COLORS



### ELECTRICAL DATA

Model	FSDS6230	FSDS6240	FSDS6250
Maximum power (Pmax)	230 Wp	240 Wp	250 Wp
MPP Voltage (V)	30,24	30,46	31,00
MPP Current (A)	7,78	8,02	8,29
Open-circuit voltage (V)	37,32	37,62	37,80
Short-circuit current (A)	8,34	8,72	8,88
Maximum system voltage (V)	1000	1000	1000
Module power tolerance (%)	+2 % / -0 %	+2 % / -0 %	+2 % / -0 %

### OTHER PARAMETERTURES

- Cells 60 pieces polycrystalline silicon solar cells
- Cell dimension 6" – 156 mm x 156 mm (Square)
- Front 4 mm thick tempered solar glass, highly transparent
- Encapsulation EVA – cell – EVA
- Back Multilayered backsheet Tedlar or tempered solar glass
- Frame Anodised aluminium or none
- Connection TYCO ELECTRONICS IP65 with built-in bypass diode
- Weight 23 kg
- Temperature Range -40 °C to +90 °C
- Max Load 5400 Pa
- Impact Resistance Steel ball – 1040 g dropped from 1m high

