



UNIVERSAL
ENERGY

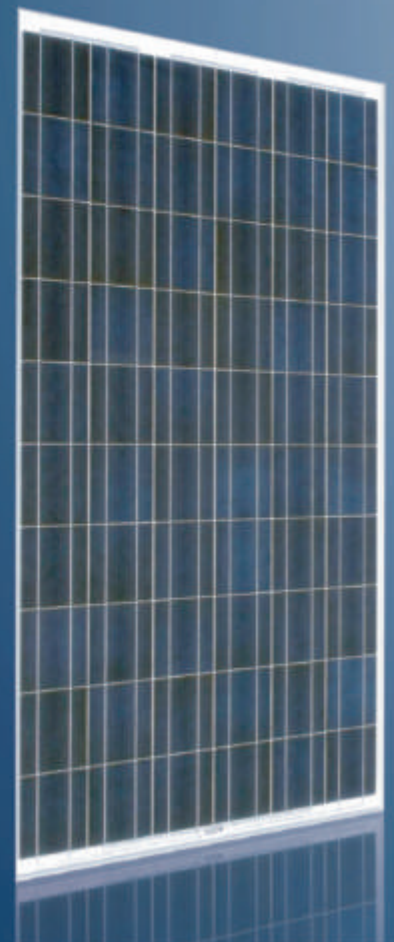


UE P230 Series Technical Datasheet



The UNIVERSAL ENERGY ADVANTAGE

- Module efficiency up to 14,5%
- High efficiency cell technology
- Anti-reflective solar glass
- Frame design for optimal strength
- Easy installation
- Local storage
- Customer support



Electrical data

	UE P235	UE P230	UE P225	UE P220	UE P215
Capacity rating (0/+3%) Pmax	235 Wp	230 Wp	225 Wp	220 Wp	215 Wp
Module efficiency	14.32%	14.01%	13.71%	13.40%	13.10%
Rated current I _{mp}	7.81 A	7.74 A	7.68 A	7.59 A	7.49 A
Rated voltage V _{mp}	30.1 V	29.7 V	29.3 V	29 V	28.7 V
Short circuit current I _{sc}	8.86 A	8.72 A	8.6 A	8.45 A	8.27 A
Open circuit voltage V _{oc}	36.74 V	36.7 V	36.65 V	36.6 V	36.5 V

Temperature coefficient

Tk Current	+0.06% /K
Tk Voltage	-0.34 %/K
Tk Power	-0.48 %/K

Mechanical specification

Dimensions (HxWxD)	1.658 x 990 x 40 mm
Weight	19.5kg
Junction box	Junction box with 3 bypass diodes
Cables	Solar cables, 1000mm length, 4mm ² , with connectors MC
Front Glass	Tempered low iron patterned glass - 3,2 mm thickness
Solar cells	60 x polycrystalline Si, 6" (156mm x 156mm), 2BB / 3BB
Encapsulation	EVA (Ethylene Vinyl Acetate)
Backsheet	White composite film - black color available
Frame	Anodized frame with drainage holes - black color available

Permissible operating conditions

Temperature range	-40 C to +85 C
Maximum system voltage	1000 V

Guarantee and certifications

Product warranty	5 years
Performance guarantee	90% for 10 years and 80% for 25 years
Approvals and certificates	TUV: IEC 61215 ed.2, IEC 61730 and UL

Drawing and curves

