



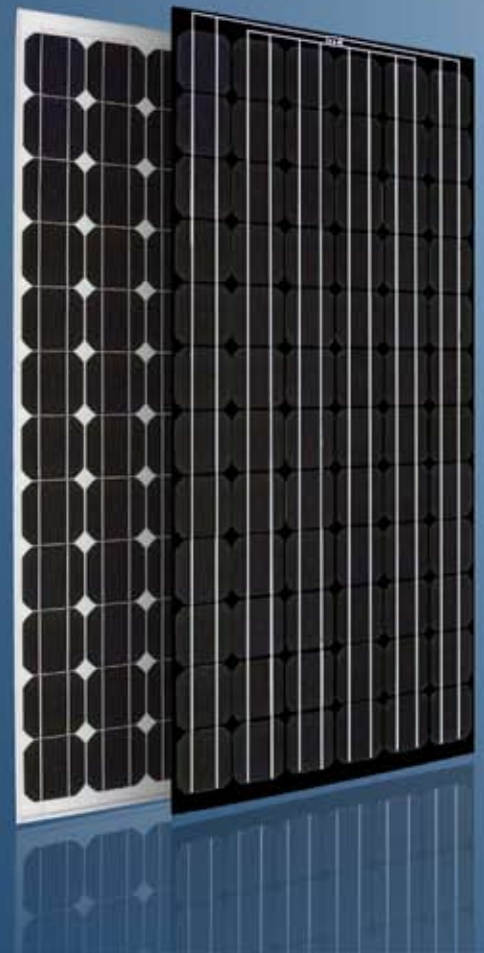
UNIVERSAL
ENERGY

UE M185HR Series Technical Datasheet



The UNIVERSAL ENERGY ADVANTAGE

- Module efficiency up to 15%
- High efficiency cell technology
- Anti-reflective solar glass
- UNIVERSAL ENERGY frame design for optimal strength
- Lightweight design for ease of installation
- Global presence
- Responsive, informative customer support



Electrical data

	UE M175	UE M180	UE M185	UE M190
Capacity rating (+/-3%) Pmax	175 Wp	180 Wp	185 Wp	190 Wp
Module efficiency	13,70%	14,10%	14,49%	14,88%
Rated current Imp	4.79	4.84 A	4.8 A	4.94 A
Rated voltage Vmp	36.51 V	37.1 V	37.7 V	38.29 V
Short circuit current Isc	5.27 A	5.30 A	5.32 A	5.34 A
Open circuit voltage Voc	45.22 V	45.29 V	45.36 V	45.43 V

Temperature coefficient

Tk Current	+0.031% /K
Tk Voltage	-0.348% /K
Tk Power	-0.46% /K

Mechanical specification

Dimensions (H x W x D)	1580 x 808 x 40 mm
Weight	16 Kg
Junction box	Junction box with 3 bypass diodes
Cables	Solar cables, 1000mm length, 4mm ² , with MC4 plugs
Front Glass	Tempered low iron patterned glass - 3,2 mm thickness
Solar cells	72 x monocrystalline Si, 5" (125mm x 125mm), 2BB
Encapsulation	EVA (Ethylene Vinyl Acetate)
Backsheet	Black or White composite film
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 - UL in process

Drawing and curves

