



UNIVERSAL
ENERGY

UE M240 HR 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 M250HR UE M245HR UE M240HR UE M235HR UE M230HR

Capacity rating (+/-3%) Pmax	250 Wp	245 Wp	240 Wp	235 Wp	230 Wp
Module efficiency	15.23%	14.93%	14.62%	14.32%	14.01%
Rated current Impp	7.96 A	7.9 A	7.84 A	7.78 A	7.72 A
Rated voltage Vmpp	31.42 V	31.01 V	30.6 V	30.2 V	29.79 V
Short circuit current Isc	8.68 A	8.63 A	8.58 A	8.53 A	8.48 A
Open circuit voltage Voc	38.14 V	37.93 V	37.73 V	37.52V	37.31 V

Temperature coefficient

Tk Current	+0.028% /K
Tk Voltage	-0.23 %/K
Tk Power	-0.46 %/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 monocrystalline Si, 6" (156mm x 156mm), 2BB / 3BB
Encapsulation	EVA (Ethylene Vinyl Acetate)
Backsheet	White composite film - black color available
Fram	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

