

### LS-M10-HC-CB MONOCRYSTALLINE MODULE

#### ELECTRICAL CHARACTERISTICS AT STC

Maximum Power ( $P_{max}$ )	195W	200W	205W
Open Circuit Voltage ( $V_{oc}$ )	37.9V	38.1V	38.3V
Short Circuit Current ( $I_{sc}$ )	6.58A	6.69A	6.81A
Voltage at Maximum Power ( $V_{mp}$ )	31.4V	31.6V	31.8V
Current at Maximum Power ( $I_{mp}$ )	6.22A	6.33A	6.45A
Module Efficiency (%)	17.73	18.18	18.64
Operating Temperature	-40°C to +85°C		
Maximum System Voltage	1000V DC		
Fire Resistance Rating	Class C EU/Swiss EN 13501-5 DROOF (t1)		

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

#### ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power ( $P_{max}$ )	146W	150W	154W
Open Circuit Voltage ( $V_{oc}$ )	34.9V	35.1V	35.3V
Short Circuit Current ( $I_{sc}$ )	5.33A	5.42A	5.51A
Voltage at Maximum Power ( $V_{mp}$ )	28.6V	28.8V	29.0V
Current at Maximum Power ( $I_{mp}$ )	5.12A	5.21A	5.29A

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1m/s

#### MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 182x91mm
Number of cells	54(6x9)
Module dimensions	1175*936*25mm
Weight	7.3kg
Front cover	Lightweight high transparent polymer material
Frame	Anodized aluminum alloy
Junction Box	IP68, 2 diodes+ PCBA
Cable	4 mm <sup>2</sup> (TUV) / 1200mm
Connector	MC4 EVO Staubli

#### TEMPERATURE CHARACTERISTICS

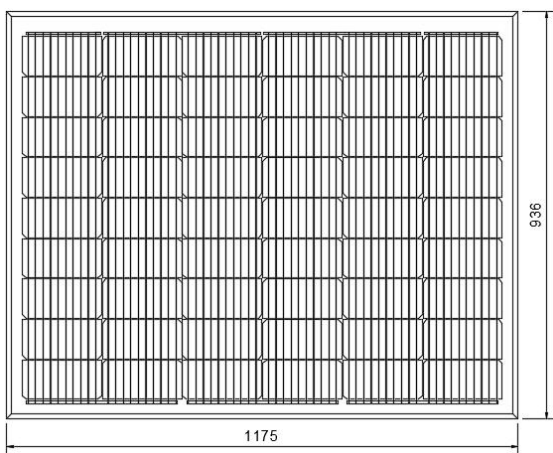
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of $P_{max}$	-0.44%/°C
Temperature Coefficients of $V_{oc}$	-0.34%/°C
Temperature Coefficients of $I_{sc}$	0.055%/°C

#### PACKAGING

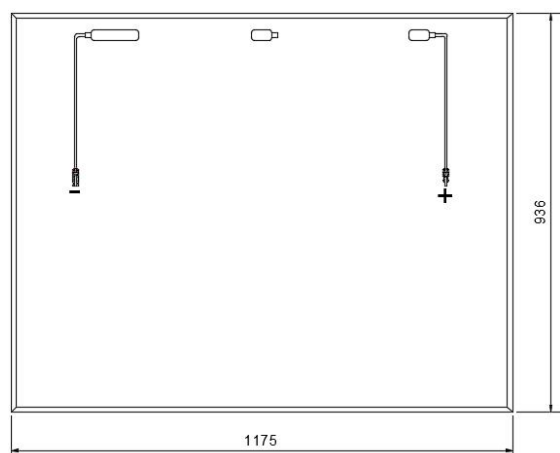
Standard packaging	32 pcs/ pallet
Module quantity per 40' container	880 pcs (HQ)

#### ENGINEERING DRAWINGS (Unit: mm)

Front



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Specifications in this datasheet are subject to change without prior notice.