

ELECTRICAL PERFORMANCE

Electrical Parameters	Standard Test Conditions	Model
Module Type		ER-275FM POLY
Power Output		275
Power Tolerance		0/+5W
Module Efficiency		16.8
Voltage at Pmax		31.1
Current at Pmax		8.85
Open-Circuit Voltage		38.3
Short-Circuit Voltage		9.25
STC: 1000w/m ² irradiance, 25°C module temperature, AM1		

OPERATING CONDITIONS

Max. System Voltage	1000V
Max. Series Fuse Rating	15A
Operating Temperature Range	-40°C~85°C
Max static snow load	5400Pa
Max static wind load	3800Pa
Application Class	A

CONSTRUCTION MATERIALS

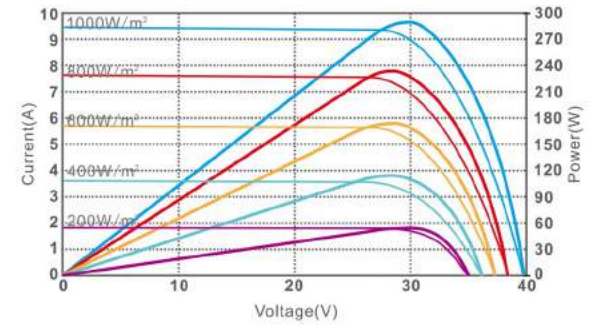
Front Cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	60/monocrystalline/156.75x156.75mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Frame(material/anodization color)	anodized aluminum alloy/silver or black
Junction Box(protection degree)	IP67
Cable(length/cross-sectional area)	900mm/4mm ²
Plug Connector	MC4 compatible

GENERAL CHARACTERISTICS

Dimension(L/W/H)	1650/992/35mm
Weight	18.5kg

I-V CURVE

I-V characteristics at different irradiances



I-V characteristics at different temperature

