

Model No. FDS175-12M10



175W

Temperature Coefficients

Nominal Operating Cell Temperature	NOCT	°C	45 +/-2
Voltage Temperature Coefficient (Voc)	α	%/°C	-0.32
Current Temperature Coefficient (Isc)	β	%/°C	0.055
Power Temperature Coefficient (Pmpp)	γ	%/°C	-0.39

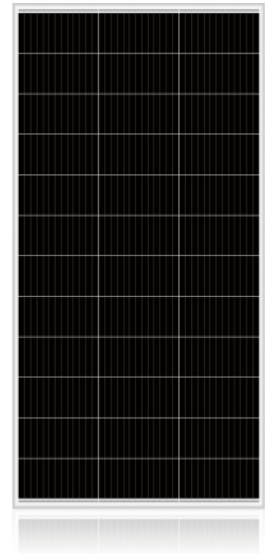
Mechanical Data

Solar Cell	Monocrystalline, 210*105mm
Arrangement	36Cells (3*12)
Front Glass	3.2mm Tempered
Frame	Anodized Aluminium
Max. Static Snow Load, Front	5400Pa
Max. Static Wind Load, Back	2400Pa
Junction Box	IP67
Cables & Connectors	As Per Requirement

Electrical Data

STC: Irradiance 1000 W/m²(module temperature 25°C AM1.5)

Module Type		FDS175-12M10	
Nominal Peak Power	P _{max}	W _p	175
Minimum Power Tolerance	ΔP_{max}	%	-/+3
Max. Power Voltage	V _{mp}	V	20.5
Max. Power Current	I _{mp}	A	8.54
Open-circuit Voltage	V _{oc}	V	24.0
Short-circuit Current	I _{sc}	A	9.28
Module Efficiency	η_m	%	19.8
Operating Temperature		°C	-40 to +85
Max Series Fuse Rating		A	15
Max. System voltage	DC	V	1,000
Weight		KGS	9.7
Dimension		MM	1330*665*35



Dimensions unit : mm

