

Model No. FDS115-12M10



115W

Temperature Coefficients

Parameter	Symbol	Unit	Value
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

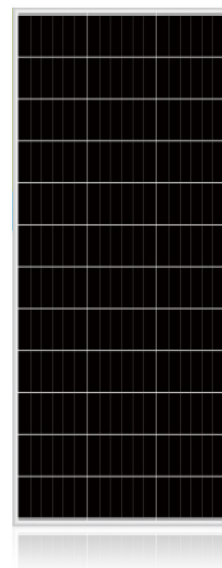
Mechanical Data

Solar Cell	Monocrystalline, 158.75*94.5mm
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	IP65
Cables & Connectors	As Per Requirement

Electrical Data

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

Module Type	FDS115-12M10		
Nominal Peak Power	P _{max}	W _p	115
Minimum Power Tolerance	Δ P _{max}	%	-/+3
Max. Power Voltage	V _{mp}	V	19.8
Max. Power Current	I _{mp}	A	5.81
Open-circuit Voltage	V _{oc}	V	23.6
Short-circuit Current	I _{sc}	A	6.31
Module Efficiency	η_m	%	19.0
Operating Temperature		°C	-40 to +85
Max Series Fuse Rating		A	10
Max. System voltage	DC	V	1,000
Weight		KGS	6.6
Dimension		MM	1200*505*35



Dimensions unit : mm

