

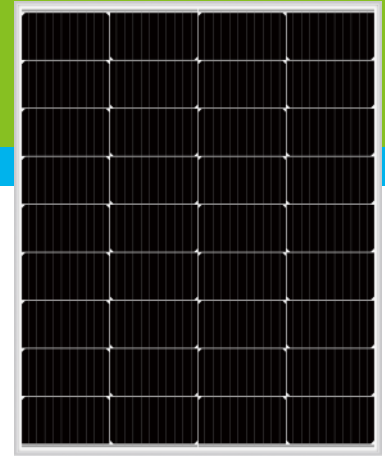


Monocrystalline Solar PV Modules

IEC61215/61730 Quality/ ISO Certified Company

Model No. **FDS140-12M10**

140W



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 (Pmp)	γ	%/°C	-0.39

Mechanical Data

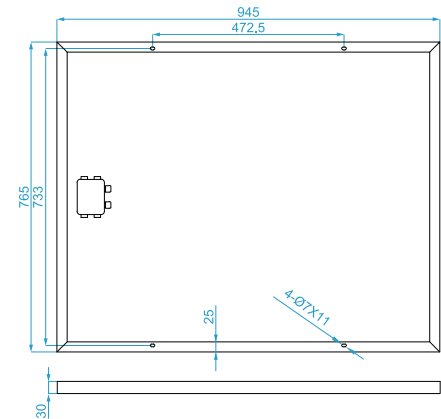
Solar Cell	Monocrystalline, 182*98mm
Arrangement	36Cells (4*9)
Front Glass	3.2mm Tempered
Frame	Anodized Aluminium
Max. Static Snow Load, Front	5400Pa
Max. Static Wind Load, Back	2400Pa
Junction Box	IP65
Cables & Connectors	As Per Requirement

Electrical Data

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

Module Type	FDS140-12M10		
Nominal Peak Power	Pmax	Wp	140
Minimum Power Tolerance	ΔP_{max}	%	-/+3
Max. Power Voltage	Vmp	V	20.2
Max. Power Current	Imp	A	6.93
Open-circuit Voltage	Voc	V	24.0
Short-circuit Current	Isc	A	7.53
Module Efficiency	η_m	%	19.4
Operating Temperature		°C	-40 to +85
Max Series Fuse Rating		A	8
Max. System voltage	DC	V	1,000
Weight		KGS	7.7
Dimension		MM	945*765*30

Dimensions unit : mm



Materials & Workmanship Warranty



90% Power Output Warranty



80% Power Output Warranty

Warranty : Solar Modules with 25 years warranty

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