

■ FDS-100M-12

Temperature Coefficients

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.36%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.44%/°C
Minimum power tolerance	+/- 3%

NOCT:Nominal Operating cell Temperature



Mechanical Data

Solar Cell	36(4×9) Mono-crystalline 125×125mm
Front Glass	3.2mm tempered
Frame	Anodized aluminium

Electrical Data

Module type	FDS-080-12	FDS-090-12	FDS-100-12
Nominal peak power(Wp)	80W	90W	100W
Nominal voltage(Vmp)	17.2V	17.5V	17.80V
Nominal current(Imp)	4.65A	5.15A	5.62A
Open-circuit voltage(Voc)	21.6V	22.0V	22.5V
Short-circuit current(Isc)	5.17A	5.71A	6.24A
Module efficiency	12.6%	14.2%	15.7%
Operating temperature	-40°C to +85°C		
Maximum system voltage	1000V DC		
Weight	7.7kg		
Dimension	1190×535×35 mm		

STC:1000W/m² 25°C

