

■ FDS-090P-12

Temperature Coefficients

NOCT	45 $\pm$ 2 $^{\circ}$ C
Voltage temperature coefficient(Voc)	-0.36%/ $^{\circ}$ C
Current temperature coefficient(Isc)	+0.033%/ $^{\circ}$ C
Power temperature coefficient(Pmpp)	-0.44%/ $^{\circ}$ C
Minimum power tolerance	$\pm$ 3%

NOCT:Nominal Operating cell Temperature

Mechanical Data

Solar Cell	36(4 $\times$ 9) Poly-crystalline 156 $\times$ 97mm
Front Glass	3.2mm tempered
Frame	Anodized aluminium



Electrical Data

Module type	FDS-090-12
Nominal peak power(Wp)	90W
Nominal voltage(Vmp)	17.5V
Nominal current(Imp)	5.15A
Open-circuit voltage(Voc)	22.0V
Short-circuit current(Isc)	5.71A
Module efficiency	14.6%
Operating temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Maximum system voltage	1000V DC
Weight	7.5kg
Dimension	935 $\times$ 660 $\times$ 35 mm

STC:1000W/m 2 25 $^{\circ}$ C

