

■ FDS-050P-12

Temperature Coefficients

NOCT	45 $\pm$ 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	$\pm$ 5%

NOCT:Nominal Operating cell Temperature

Mechanical Data

Solar Cell	36(4×9) Poly-crystalline 156×52mm
Front Glass	3.2mm tempered
Frame	Anodized aluminium



Electrical Data

Module type	FDS-050-12
Nominal peak power(Wp)	50W
Nominal voltage(Vmp)	17.5V
Nominal current(Imp)	2.86A
Open-circuit voltage(Voc)	22.0V
Short-circuit current(Isc)	3.17A
Module efficiency	14.3%
Operating temperature	-40°C to +85°C
Maximum system voltage	1000V DC
Weight	4.2kg
Dimension	660×530×35 mm

STC:1000W/m²,25°C

