

■ FDS-050M-12

Periodic Inspection
Power Controlled



Temperature Coefficients

NOCT	45 +/-2℃
Voltage temperature coefficient(Voc)	-0.36%/℃
Current temperature coefficient(Isc)	+0.033%/℃
Power temperature coefficient(Pmpp)	-0.44%/℃
Minimum power tolerance	+/- 5%

NOCT:Nominal Operating cell Temperature

Mechanical Data

Solar Cell	36(4×9) Monocrystalline 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℃ to +85℃
Maximum system voltage	1000V DC
Weight	4.2kg
Dimension	660×530×35mm

STC:1000W/m²,25℃

