

# SERIES 6 PRODUCT FAMILY

## ELECTRICAL RATINGS



### Series 6

IEC/UL CERTIFIED MODEL TYPES AND ELECTRICAL RATINGS <sup>1</sup>					
Model Types	Rated Power <sup>2</sup> (-0/+5%)	Voltage at P <sub>MAX</sub>	Current at P <sub>MAX</sub>	Open Circuit Voltage	Short Circuit Current
	P <sub>MAX</sub> (W)	V <sub>MAX</sub> (V)	I <sub>MAX</sub> (A)	V <sub>OC</sub> (V)	I <sub>SC</sub> (A)
FS-6350 / FS-6350A	350.0	164.7	2.13	210.9	2.45
FS-6355 / FS-6355A	355.0	165.9	2.14	211.4	2.45
FS-6360 / FS-6360A	360.0	167.1	2.16	211.9	2.46
FS-6365 / FS-6365A	365.0	168.2	2.17	212.4	2.46
FS-6370 / FS-6370A	370.0	169.4	2.19	212.9	2.47
FS-6375 / FS-6375A	375.0	170.5	2.20	213.4	2.48
FS-6380 / FS-6380A	380.0	171.6	2.21	213.8	2.48
FS-6385 / FS-6385A	385.0	172.8	2.23	214.3	2.49
FS-6390 / FS-6390A	390.0	173.9	2.24	214.8	2.49
FS-6395 / FS-6395A	395.0	175.0	2.26	215.4	2.50
FS-6400 / FS-6400A	400.0	176.1	2.27	216.1	2.51
FS-6405 / FS-6405A	405.0	177.2	2.29	216.8	2.52
FS-6410 / FS-6410A	410.0	178.3	2.30	217.4	2.52
FS-6415 / FS-6415A	415.0	179.3	2.31	218.1	2.53
FS-6420 / FS-6420A	420.0	180.4	2.33	218.5	2.54
FS-6425 / FS-6425A	425.0	181.5	2.34	218.9	2.54
FS-6430 / FS-6430A	430.0	182.6	2.36	219.2	2.54
FS-6435 / FS-6435A	435.0	183.6	2.37	219.6	2.55
FS-6440 / FS-6440A	440.0	184.7	2.38	220.0	2.55
FS-6445 / FS-6445A	445.0	185.7	2.40	220.4	2.56
FS-6450 / FS-6450A	450.0	186.8	2.41	221.1	2.57

TEMPERATURE CHARACTERISTICS <sup>3</sup> and ADDITIONAL INFORMATION		
Maximum System Voltage	V <sub>SYS</sub> (V)	1500 <sup>4</sup>
Limiting Reverse Current	I <sub>R</sub> (A)	5.0
Maximum Series Fuse	I <sub>CF</sub> (A)	5.0
Module Operating Temperature Range	(°C)	-40 to +85
Temperature Coefficient of P <sub>MAX</sub> [Temperature Operating Range: 25°C to 75°C]	T <sub>K</sub> (P <sub>MAX</sub> )	-0.32%/°C
Temperature Coefficient of V <sub>OC</sub>	T <sub>K</sub> (V <sub>OC</sub> )	-0.28%/°C
Temperature Coefficient of I <sub>SC</sub>	T <sub>K</sub> (I <sub>SC</sub> )	+0.04%/°C

<sup>1</sup> All ratings at STC (1000W/m<sup>2</sup>, AM 1.5, 25°C Cell Temperature) ±10%, unless specified otherwise

<sup>2</sup> Measurement uncertainty applies

<sup>3</sup> All ratings ±10%

<sup>4</sup> UL 1703 1500V Listed, ULC 1703 1000V Listed, IEC 61730-1: 2016 Class II

## Series 6 CuRe

### UNCERTIFIED POTENTIAL ELECTRICAL RATINGS<sup>5</sup>

Model Types	Rated Power <sup>2</sup> (-0/+5%) P <sub>MAX</sub> (W)	Voltage at P <sub>MAX</sub> V <sub>MAX</sub> (V)	Current at P <sub>MAX</sub> I <sub>MAX</sub> (A)	Open Circuit Voltage V <sub>OC</sub> (V)	Short Circuit Current I <sub>SC</sub> (A)
FS-6440-C / FS-6440A-C	440.0	184.7	2.38	220.0	2.55
FS-6445-C / FS-6445A-C	445.0	185.7	2.40	220.4	2.56
FS-6450-C / FS-6450A-C	450.0	186.8	2.41	221.1	2.57
FS-6455-C / FS-6455A-C	455.0	187.8	2.42	222.0	2.58
FS-6460-C / FS-6460A-C	460.0	188.8	2.44	222.9	2.59
FS-6465-C / FS-6465A-C	465.0	189.8	2.45	223.8	2.60
FS-6470-C / FS-6470A-C	470.0	191.1	2.46	224.3	2.61
FS-6475-C / FS-6475A-C	475.0	191.5	2.48	224.8	2.61
FS-6480-C / FS-6480A-C	480.0	192.8	2.49	225.4	2.62
FS-6485-C / FS-6485A-C	485.0	194.0	2.50	225.9	2.62
FS-6490-C / FS-6490A-C	490.0	195.2	2.51	226.4	2.63
FS-6495-C / FS-6495A-C	495.0	196.4	2.52	226.9	2.64
FS-6500-C / FS-6500A-C	500.0	196.9	2.54	227.5	2.64

### TEMPERATURE CHARACTERISTICS<sup>3</sup> and ADDITIONAL INFORMATION

Maximum System Voltage	V <sub>SYS</sub> (V)	1500 <sup>4</sup>
Limiting Reverse Current	I <sub>R</sub> (A)	5.0
Maximum Series Fuse	I <sub>CF</sub> (A)	5.0
Module Operating Temperature Range	(°C)	-40 to +85
Temperature Coefficient of P <sub>MAX</sub> [Temperature Operating Range: 25°C to 75°C]	T <sub>K</sub> (P <sub>MAX</sub> )	-0.28%/°C
Temperature Coefficient of V <sub>OC</sub>	T <sub>K</sub> (V <sub>OC</sub> )	-0.25%/°C
Temperature Coefficient of I <sub>SC</sub>	T <sub>K</sub> (I <sub>SC</sub> )	+0.04%/°C

<sup>5</sup> Ratings are estimates and not yet certified. Actual ratings may vary.

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