

20.1 IRRADU1

PV Irradiance Profile

This model is located at system bus #_____ IBUS
 Machine identifier #_____ ID
 This model uses CONs starting with #_____ J
 ICONs starting with #_____ M
 And VARs starting with #_____ L

CONs	#	Description
J		TIME1, Time of first data point, sec
J+1		IRRADIANCE1, Irradiance at first data point, W/m2
J+2		TIME2, Time of second data point, sec
J+3		IRRADIANCE2, Irradiance at second data point, W/m2
J+4		TIME3, Time of third data point, sec
J+5		IRRADIANCE3, Irradiance at third data point, W/m2
J+6		TIME4, Time of fourth data point, sec
J+7		IRRADIANCE4, Irradiance at fourth data point, W/m2
J+8		TIME5, Time of fifth data point, sec
J+9		IRRADIANCE5, Irradiance at fifth data point, W/m2
J+10		TIME6, Time of sixth data point, sec
J+11		IRRADIANCE6, Irradiance at sixth data point, W/m2
J+12		TIME7, Time of seventh data point, sec
J+13		IRRADIANCE7, Irradiance at seventh data point, W/m2
J+14		TIME8, Time of eighth data point, sec
J+15		IRRADIANCE8, Irradiance at eighth at point, W/m2
J+16		TIME9, Time of ninth data point, sec
J+17		IRRADIANCE9, Irradiance at ninth data point, W/m2
J+18		TIME10, Time of tenth data point, sec
J+19		IRRADIANCE10, Irradiance at tenth data point, W/m2

ICONs	#	Description
M		In Service Flag, 1: model is in-service 0: model is OFF

VARs	#	Description
L		DC power from PV array

NOTE: A maximum of 10 pairs of time versus irradiance may be specified. The unused pairs should be entered as zero. T1 should be greater than 0 as the initial irradiance calculated from the load flow output.

IBUS 'USRMDL' ID 'IRRADU1' 104 0 1 20 0 1 ICON(M), CON(J) to CON(J+19) /