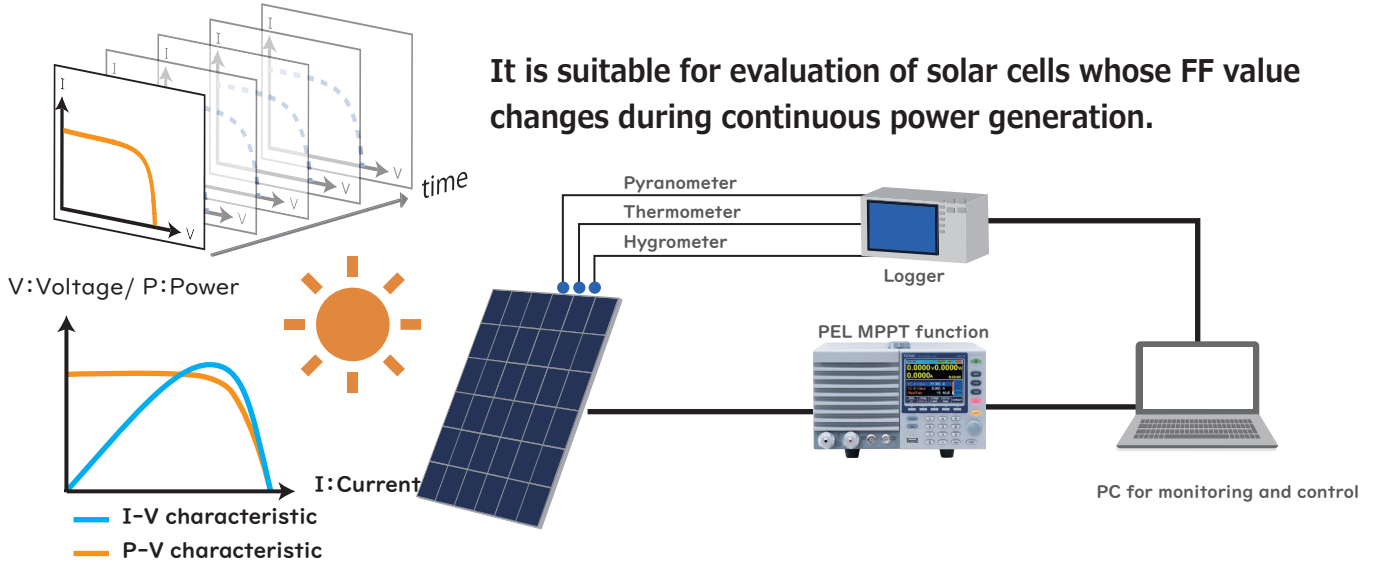


## Programmable D.C. Electronic Load PEL-3000/PEL-3000H Series

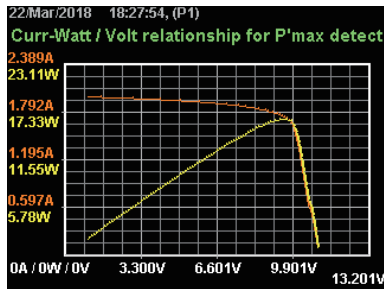


### MPPT function for I-V characteristic can evaluation of Solar Panels.

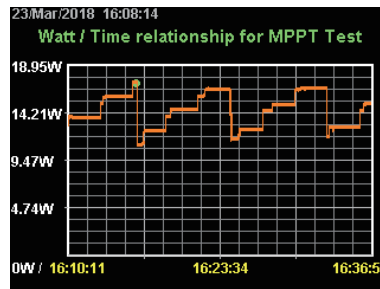
The MPPT (Maximum Power Point Tracking) function of PEL-3000 and PEL-3000H series can perform IV, PV characteristics and Pmax tracking tests of Solar Panels. During MPPT operation, it is possible to perform I-V trace by periodic sweep operation. Combined with a pseudo-sunlight source, it is possible to acquire IV characteristic data under various conditions.



Test image(BMP) and data(CSV) is saved on USB memory. It supports USB memory up to 2GB.



Detect P' max.



MPPT Result

	A	B	C	D
1				
2	<PMAX DETECTION RESULTS>			
3	(1)Start Time	2018/3/22 18:37		
4	(2)MAX No	86		
5	(3)MAX Voltage	9.6 V		
6	(4)MAX Current	1.719 A		
7	(5)MAX Power	16.502401 W		
8	(6)Short Circuit	No Search		
9	(7)Open Circuit	1 V		
10	(8)DATA Lists	101		
11	No	VOLT(V)	CURR(A)	POWER(W)
12	1	1.1	1.99	2.189
13	2	1.2	1.989	2.3899
14	3	1.3	1.988	2.5844
15	4	1.4	1.987	2.7819
16	5	1.5	1.987	2.9806
17	6	1.6	1.986	3.1776
18	7	1.7	1.985	3.3745
19	8	1.8	1.984	3.5712
20	9	1.9	1.983	3.7677
21	10	2	1.982	3.964
22	11	2.1	1.981	4.1604

Test Data CSV



### MPPT Function



I-V characteristic of the thermoelectric module.

MPPT test pattern	Up to 12 items can be registered
Mode	CV, CC
Range	6 items (ILVL, IMVL, IHVL, ILVH, IMVH, IHVH)
Response	CV: Slow, Fast CC: 1, 1/2, 1/5, 1/10
Sweep Range	CV: Value, Percent CC: Value
Start V	0V~Maximum voltage within the range (CV only)
End V	0V~Maximum voltage within the range (CV only)
Step V	0V~1/2 of the maximum voltage within the range (CV only)
Start C	0A~Maximum current within the range (CC only)
End C	0A~Maximum current within the range (CC only)
Step C	0A~1/2 of the maximum current within the range (CC only)
Step Time	0.01~50s