



Record

Code E31

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PV Device Performance Sheet

Manufacturer	WAYS/Nanobit/NCU	Serial Number	20210430-S1
Module Type	Mini-module	Esti Code	WO81
Module ID		Test Sequence	PS

Cell area [mm ²]	416.361
Aperture area [m ²]	0.006662

Cells in parallel	1
Cell in series	16

Cell Structure	OPV
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Reference Detector	PX403
Multiflash measurement	N

Light Source	Wacom	CSS
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	Isc	Voc	Imp	Vmp	Pmax	FF	Cell_Eff	Mod_Eff
	[A]	[V]	[A]	[V]	[W]	[%]	[%]	[%]
Electrical Performance Data								
Measurement 1	0.0994	13.251	0.0850	10.646	0.9044	68.63	13.58	13.58
Measurement 2	0.0990	13.252	0.0849	10.649	0.9038	68.87	13.57	13.57
Measurement 3	0.0993	13.252	0.0848	10.644	0.9030	68.61	13.55	13.55
Average	0.0993	13.252	0.0849	10.646	0.9037	68.70	13.57	13.57
Standard dev.	0.0002	0.000	0.0001	0.003	0.0007	0.14	0.01	0.01
Additional Data								
	Tref	Tmod	Date	Time	File name			
Meas 1	25.0	25.0	13/07/1905	12:01	WO81_w_PX403_11Ohm_MMF_02.stf			
Meas 2	25.0	25.0	13/07/1905	12:02	WO81_w_PX403_11Ohm_MMF_03.stf			
Meas 3	25.0	25.0	13/07/1905	12:04	WO81_w_PX403_11Ohm_MMF_04.stf			

Spectral Responsivity Fiche nr. [E33]	2358	---	---
Mismatch	1.0000	---	---
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Final Values corrected to STC				
1000 Wm ⁻² , 25 °C and AM1.5 Global				
				k=2 [%]
Isc	0.0993	± 0.0022	[A]	± 2.2
Voc	13.252	± 0.040	[V]	± 0.30
Pmax	0.904	± 0.021	[W]	± 2.3

Remarks:

MMF=0.9868 corrected during IV curve translation.

Rs=11 Ohm determined according to IEC 60891 ed.3 FDIS

Fiche No.	Date	Performance Executed	Signature
3494	20.05.2021	Name G. Bardizza	