

# 1 Experimental Results

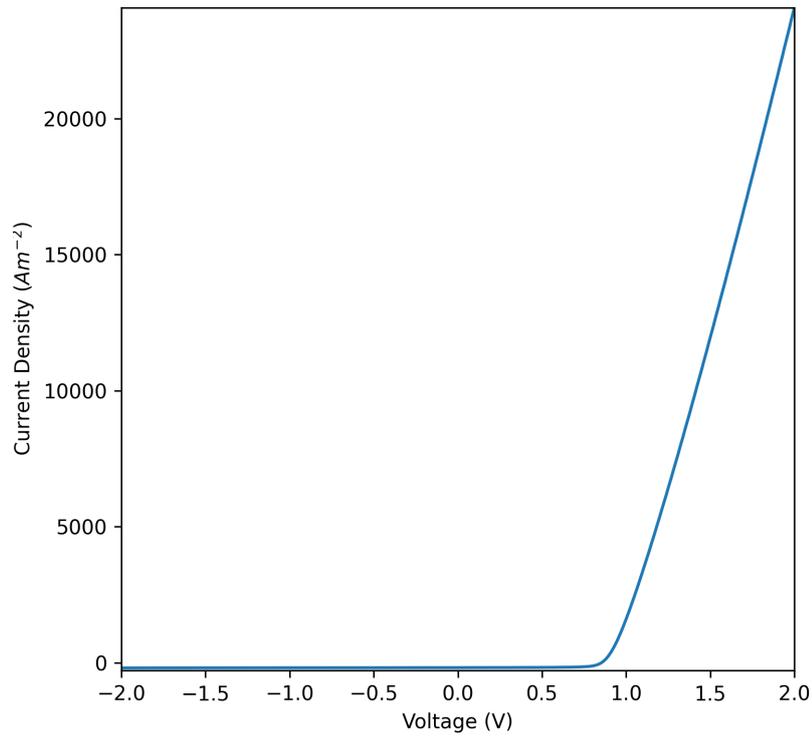


Figure 1: Experimental Input Characteristic

Table 1: Parameters calculable from input characteristic

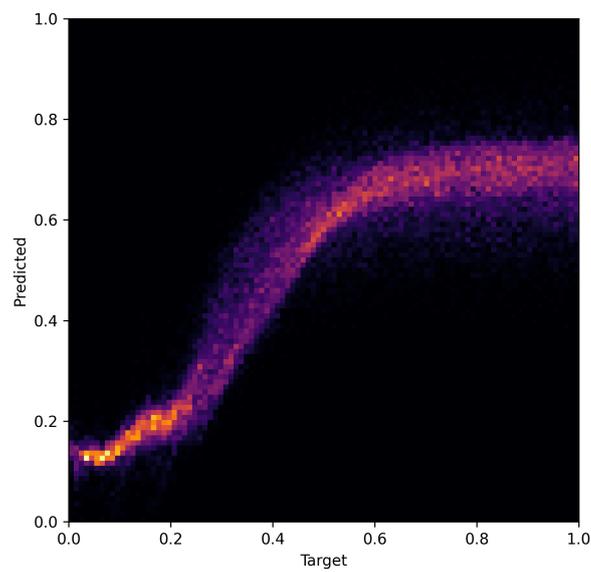
Parameter	Value	Unit
Jsc	176.250	$A m^{-2}$
Voc	0.850	$V$
FF	0.739	<i>a.u</i>
Pmax	110.700	$W m^{-2}$
PCE	11.070	<i>Percent</i>

## 2 Machine Learning Parameters

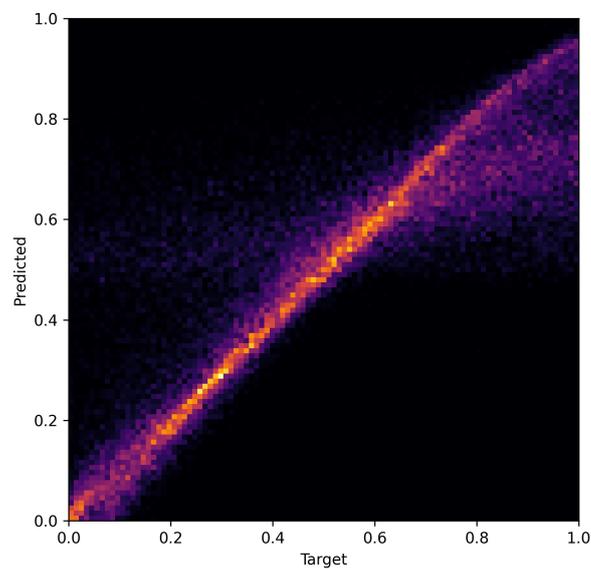
Table 2: Machine learning predictions by the single method

Parameters	Mean	Units	MAPE (%)
Shunt resistance	1.137	QLabel	21.816
Series resistance	7.162	QLabel	33.879
Fill factor	0.831	QLabel	10.986
Power conversion efficiency (PCE)	11.687	QLabel	11.334
$V_{oc}$	0.867	QLabel	5.936
$J_{sc}$	-204.988	QLabel	2.651

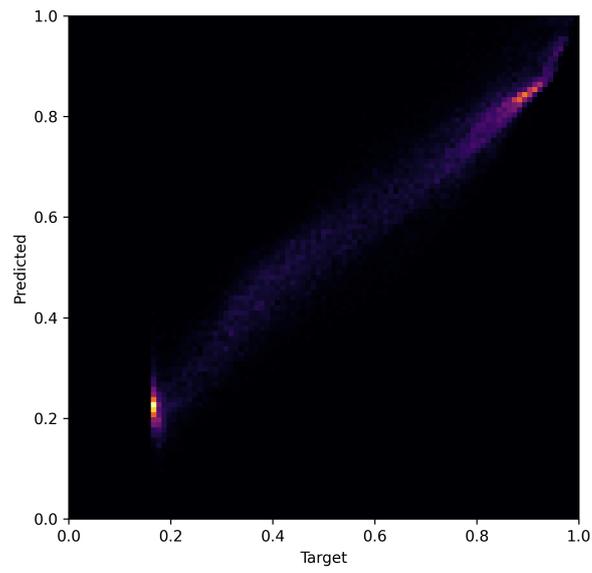
### 2.1 Shunt resistance



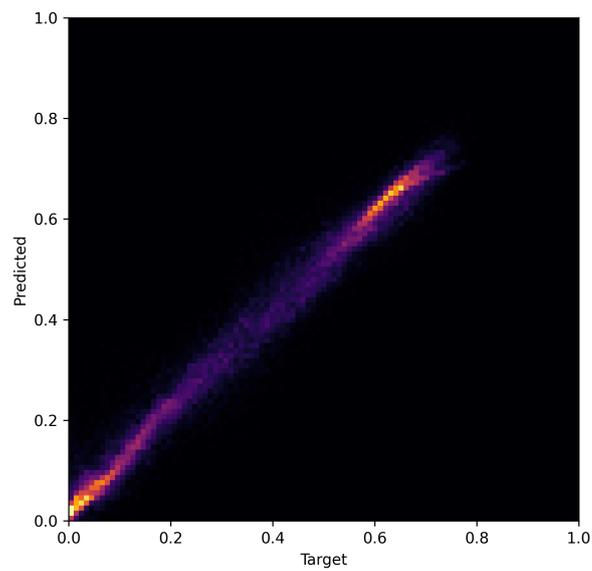
### 2.2 Series resistance



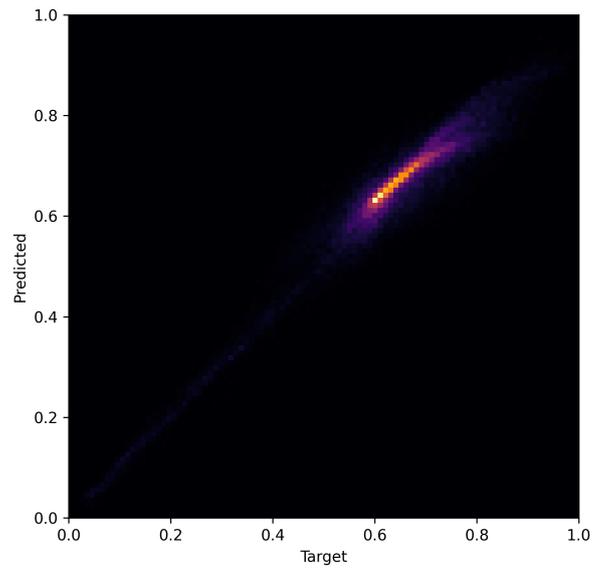
### 2.3 Fill factor



### 2.4 Power conversion efficiency (PCE)



## 2.5 $V_{oc}$



## 2.6 $J_{sc}$

