



## ELECTRICAL PARAMETERS

### Performance at STC (Power Tolerance 0 ~ +3%)

Maximum Power (Pmax/W)	425	430	435	440	445
Operating Voltage (Vmpp/V)	43.4	43.5	43.6	43.7	43.9
Operating Current (Impp/A)	9.80	9.89	9.98	10.07	10.14
Open-Circuit Voltage (Voc/V)	53.0	53.1	53.2	53.3	53.5
Short-Circuit Current (Isc/A)	10.37	10.43	10.50	10.56	10.63
	19.5	19.7	19.9	20.2	20.4

### Performance at NMOT

Maximum Power (Pmax/W)	317	320	324	328	332
Operating Voltage (Vmpp/V)	40.4	40.6	40.7	40.9	41.1
Operating Current (Impp/A)	7.86	7.91	7.97	8.03	8.09
Open-Circuit Voltage (Voc/V)	49.3	49.4	49.5	49.6	49.8
Short-Circuit Current (Isc/A)	8.37	8.42	8.48	8.52	8.58

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5    NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

## MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	158.75*158.75mm
Cell Arrangement	156 (6*26)
Weight	25kg (55.0lbs)
Module Dimensions	2172*1002*35mm (85.51*39.45*1.38inches)
Cable Cross Section Size	TUV: 4mm <sup>2</sup> (0.006inches <sup>2</sup> )/UL: 12AWG
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	30pcs/carton, 600pcs/40hq
Packing Configuration (2)	30+4pcs/carton, 640pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

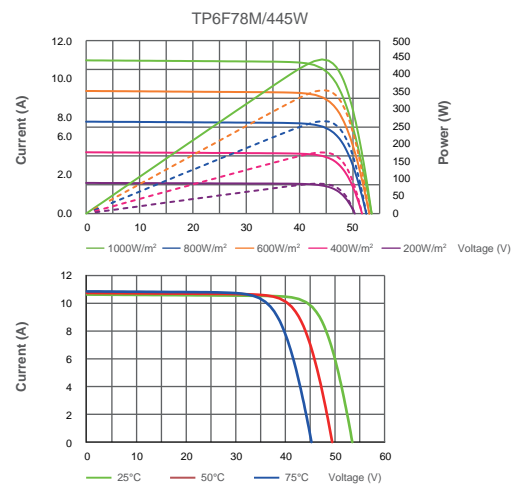
## OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Static Loading	5400pa
Conductivity at Ground	
Safety Class	II
Resistance	
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	43±2°C

## I-V CURVE



## TECHNICAL DRAWINGS

