

 All  
Quality  
Matters

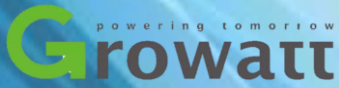
| 质胜中国

 All  
Quality  
Matters



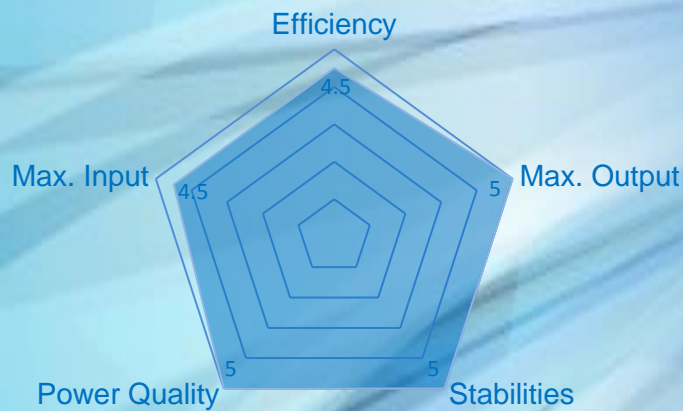
  
TÜVRheinland®  
Precisely Right.

2018



# ALL QUALITY MATTERS REPORT

## MAX 80KTL3 MV



RANK	SCORE
1	24.0

## RATINGS CHECKED

### DC Input:

<input checked="" type="checkbox"/> $V_{MAX}$ PV [ $V_{dc}$ ]	1100
<input checked="" type="checkbox"/> $I_{sc}$ PV [A]	32*6
<input checked="" type="checkbox"/> MPP Range $V_{MPP}$ [ $V_{dc}$ ]	200-1000
<input checked="" type="checkbox"/> Full Power MPP Range [ $V_{dc}$ ]	700-850
<input checked="" type="checkbox"/> Max. Input Current $I_{max}$ [A]	25*6
<input checked="" type="checkbox"/> MPP Tracking String	6

### AC Output:

<input checked="" type="checkbox"/> Rated Output Voltage [ $V_{ac}$ ]	3/PE 480
<input checked="" type="checkbox"/> Voltage Range [ $V_{ac}$ ]	425-540
<input checked="" type="checkbox"/> Rated Output Frequency [Hz]	50 / 60
<input checked="" type="checkbox"/> Frequency Range [Hz]	45 - 55 / 55 - 65
<input checked="" type="checkbox"/> Rated Output Power [kW]	80.0
<input checked="" type="checkbox"/> Max. Output Current [A]	107

### Others:

<input checked="" type="checkbox"/> Protective Class	Class I	<input checked="" type="checkbox"/> Pollution Degree	PD 3
<input checked="" type="checkbox"/> Operating Temp Range [ $^{\circ}C$ ]	-25 to 60	<input checked="" type="checkbox"/> Dimension [mm]	860*600*300

## ENTRY REQUIREMENTS

- Compliance:
  - IEC/EN 62109-1, IEC/EN 62109-2
  - IEC/EN 61000-6-2, IEC/EN 61000-6-4

- Grid Code:
  - IEC 61727, IEC 62116

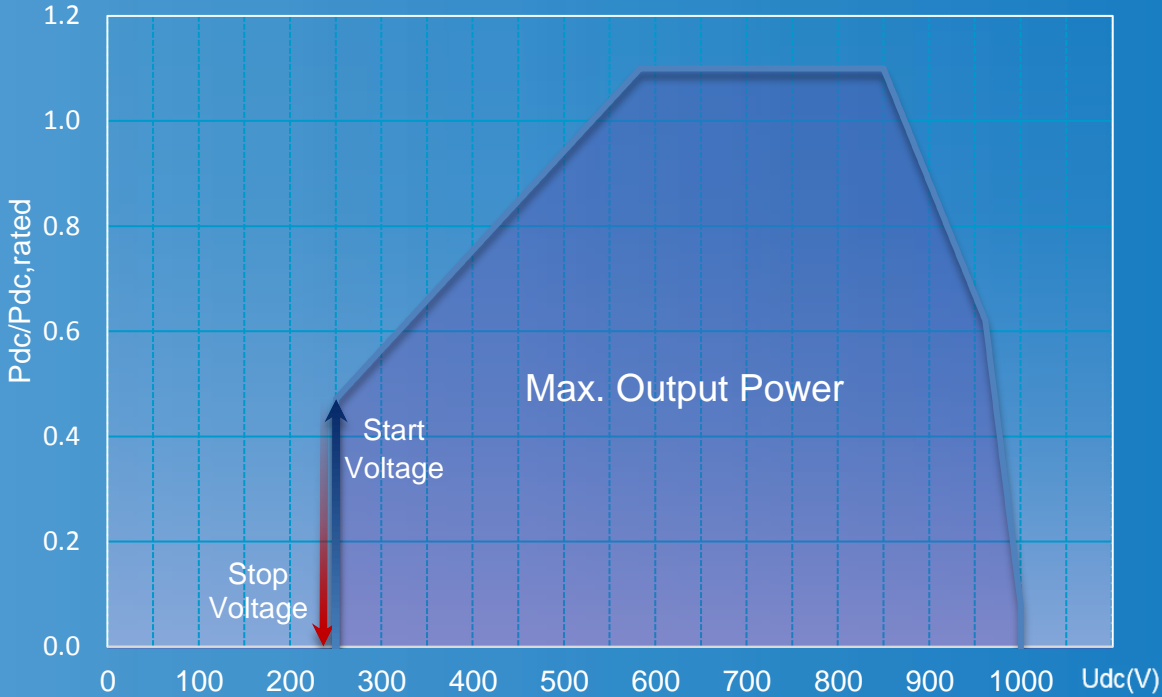
- Reliability: MTBF,  $\lambda$

## INNOVATION INDICATORS

- |  |   |
|--|---|
| <input type="checkbox"/> High Power Density          | <input checked="" type="checkbox"/> High Altitude |
| <input type="checkbox"/> Special Environment         | <input type="checkbox"/> Arcing Detector          |
| <input checked="" type="checkbox"/> GFCI / RCMU      | <input checked="" type="checkbox"/> Anti PID      |
| <input checked="" type="checkbox"/> LVRT             | <input checked="" type="checkbox"/> HVRT          |
| <input checked="" type="checkbox"/> IV Curve Tracing | <input type="checkbox"/> Anti Cloud Edge Effect   |

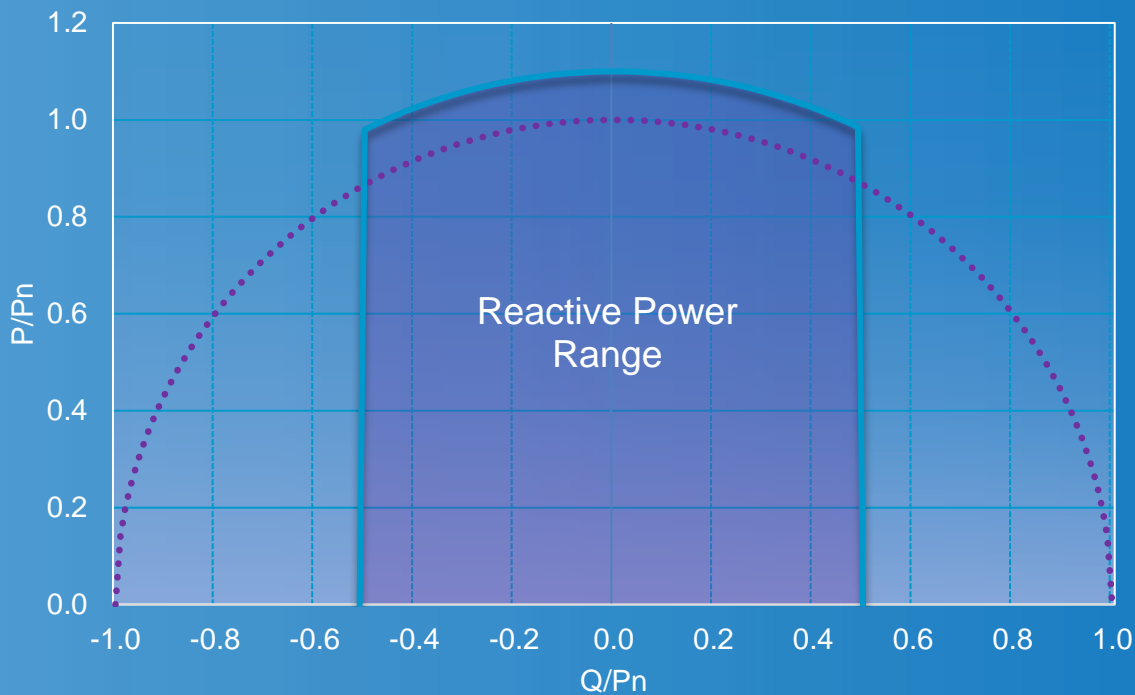
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**MAX. INPUT POWER**



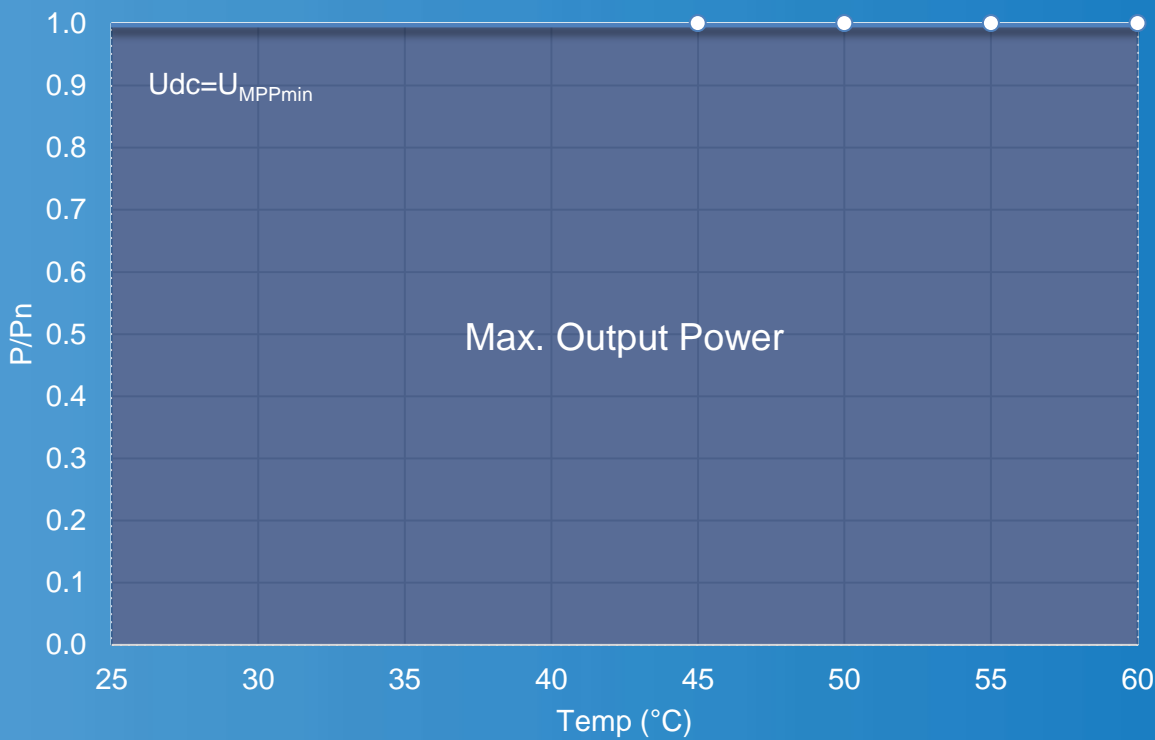
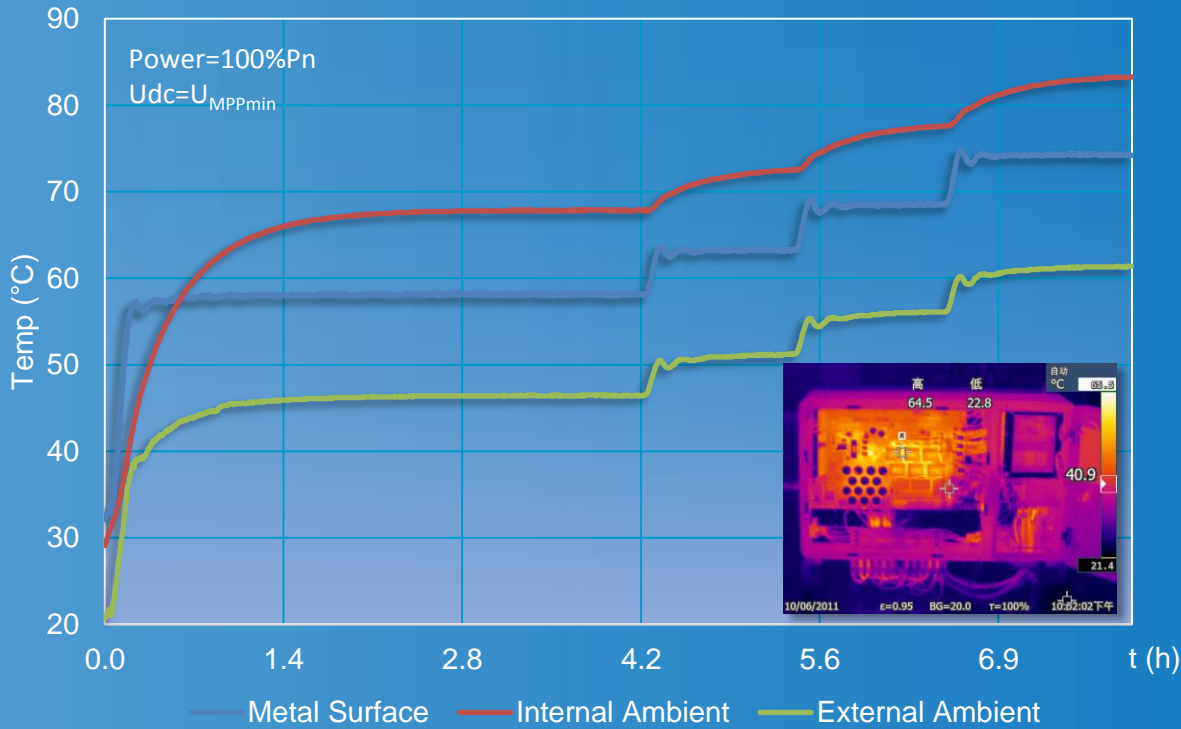
MPPT Range:  
250-1000V  
MPPT Full Power  
Range:  
530-850V  
Start Voltage:  
250V  
Stop Voltage:  
237V

**MAX. OUTPUT POWER**

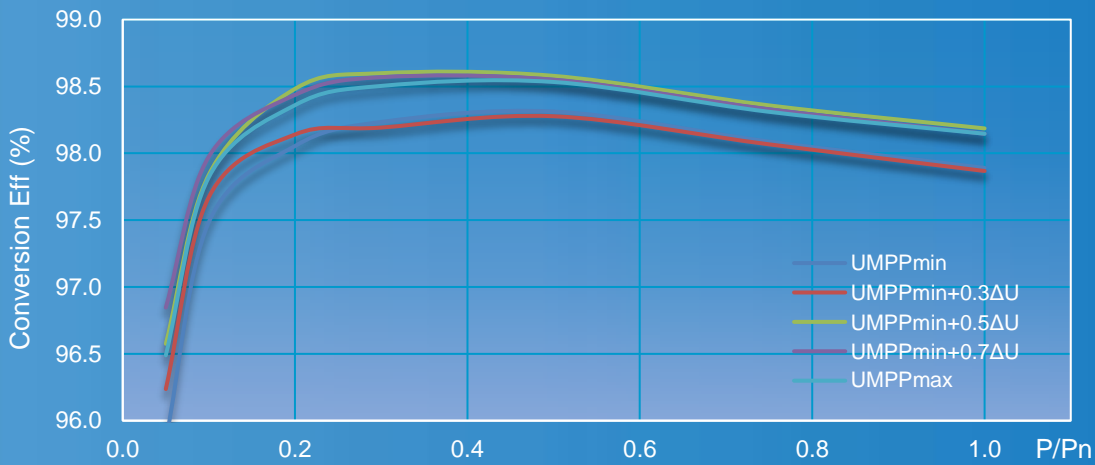
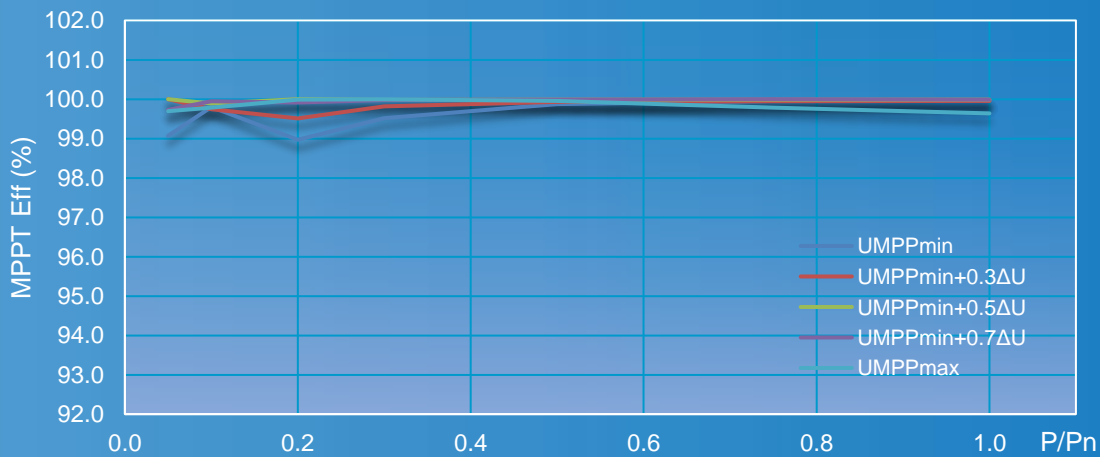


Reactive Power  
Range:  
[-50%P<sub>n</sub>, 50%P<sub>n</sub>]  
Max. Apparent  
Power: 110%P<sub>n</sub>

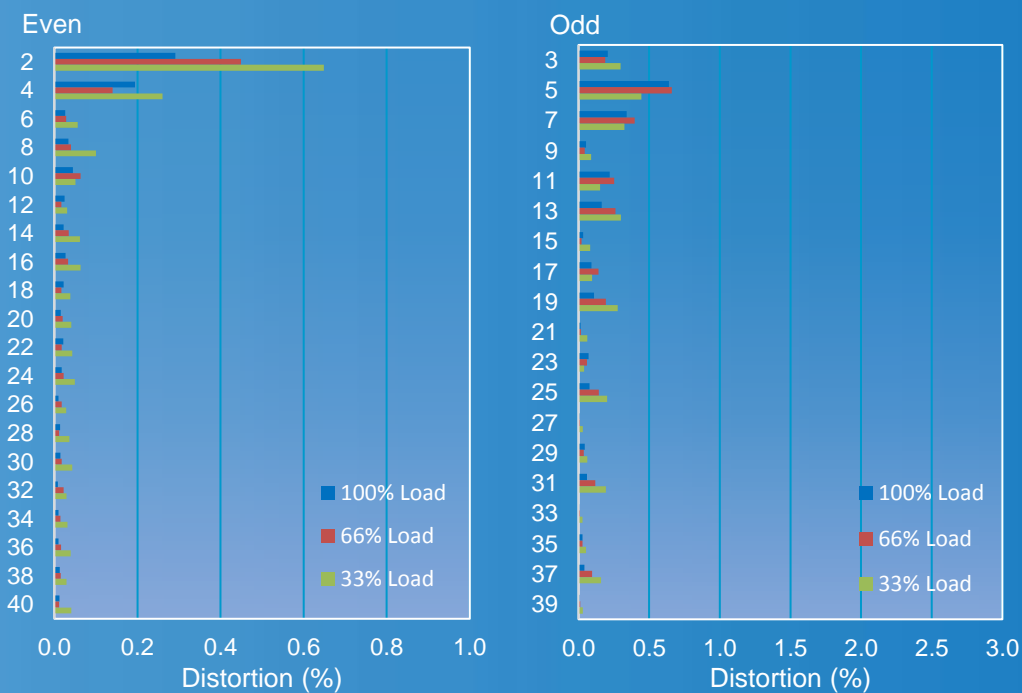
THERMAL STABILITIES



No power reduction up to 60°C

**CHINA EFFICIENCY**

 $\eta_{\max}$ : 98.60%

 $\eta_{\text{MPP max}}$ : 99.99%

 $\eta_{\text{China}}$ : 98.14%

**POWER QUALITY**

 $I_{\text{THD max}}$ : 1.12%

