

 All
Quality
Matters

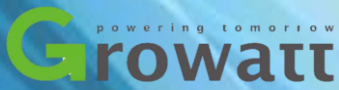
| 质胜中国

 All
Quality
Matters



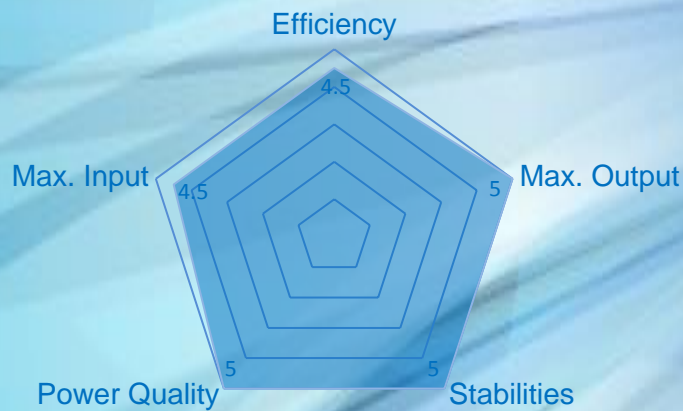

TÜVRheinland®
Precisely Right.

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

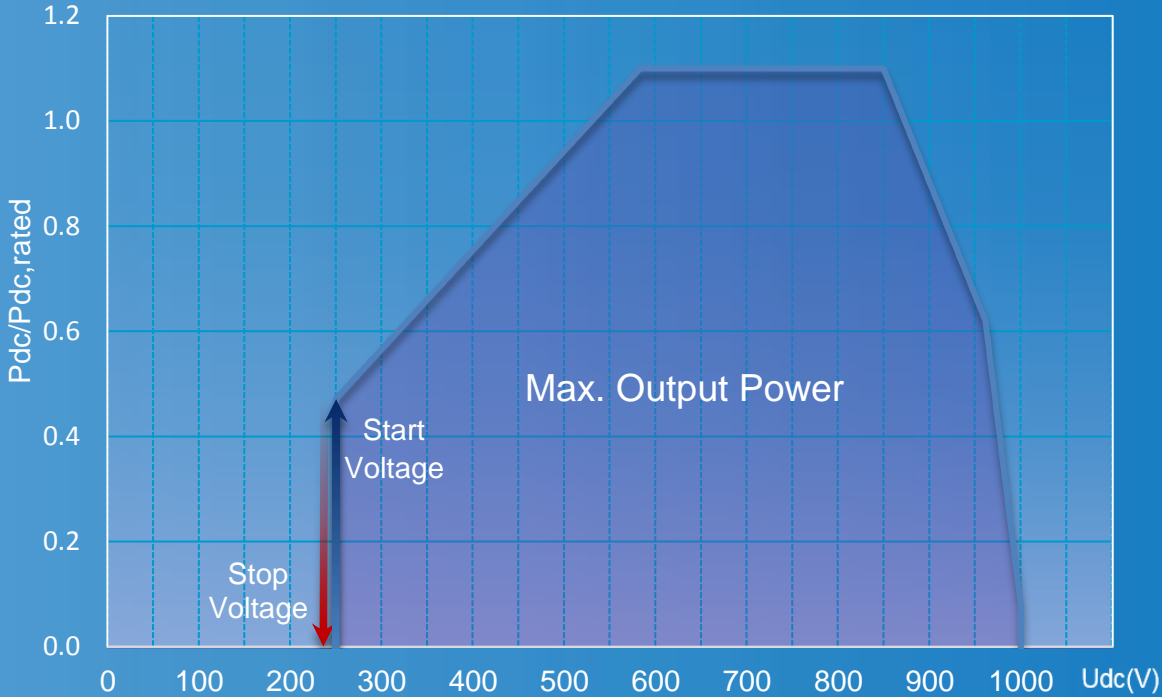
- Reliability: MTBF, λ

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 |

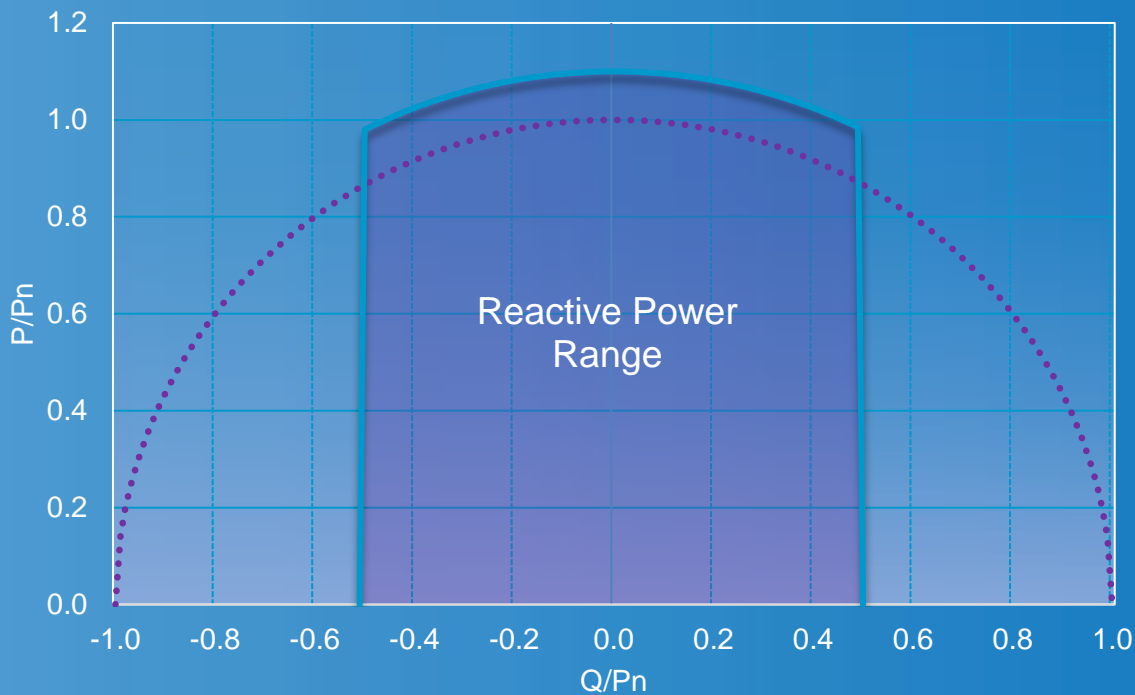
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MAX. INPUT POWER



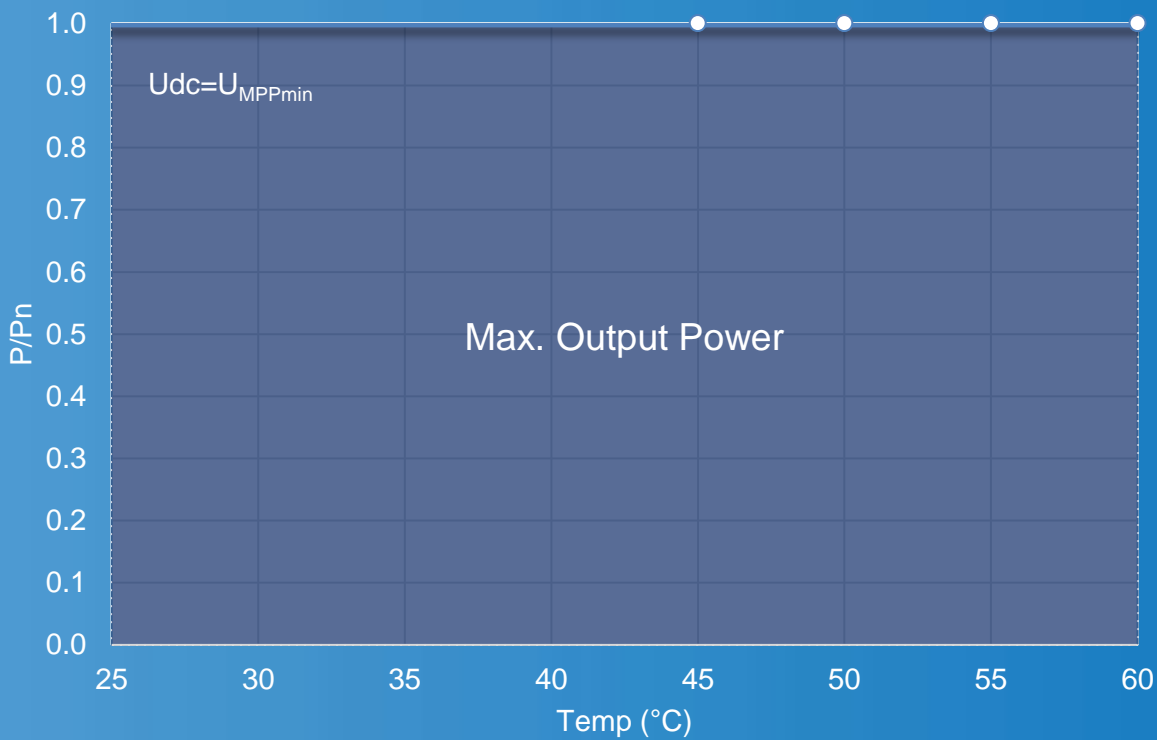
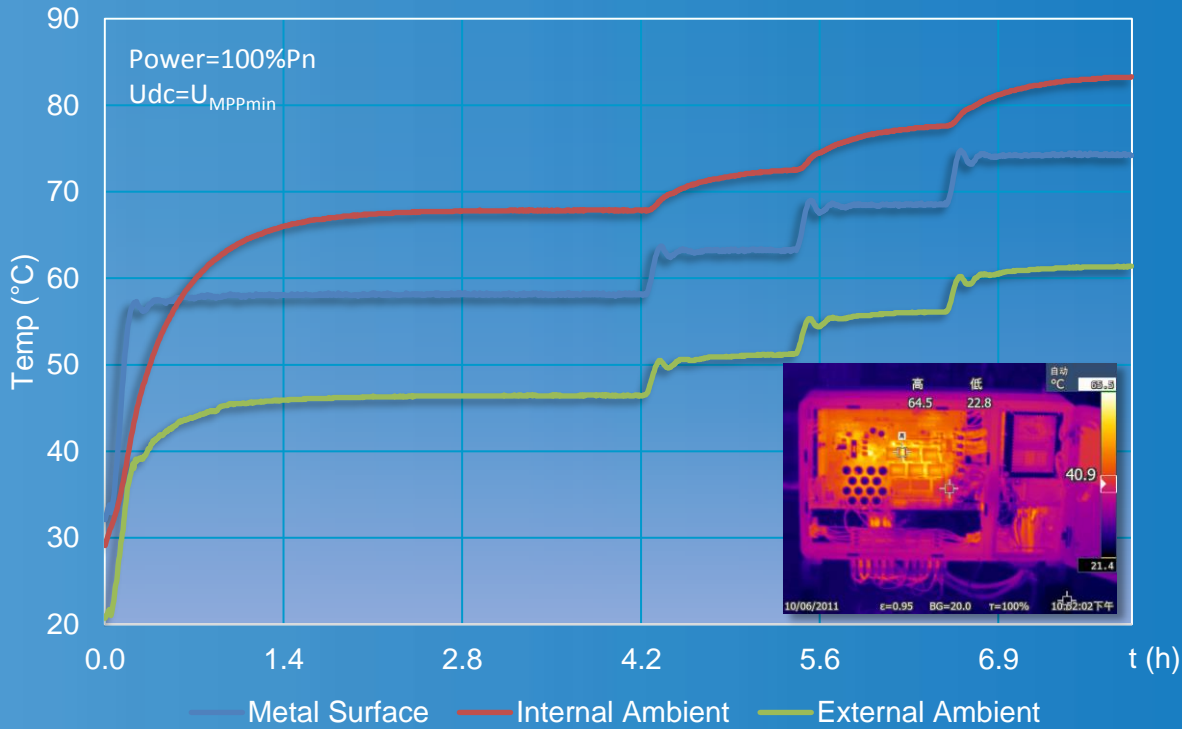
MPPT Range:
250-1000V
MPPT Full Power
Range:
530-850V
Start Voltage:
250V
Stop Voltage:
237V

MAX. OUTPUT POWER

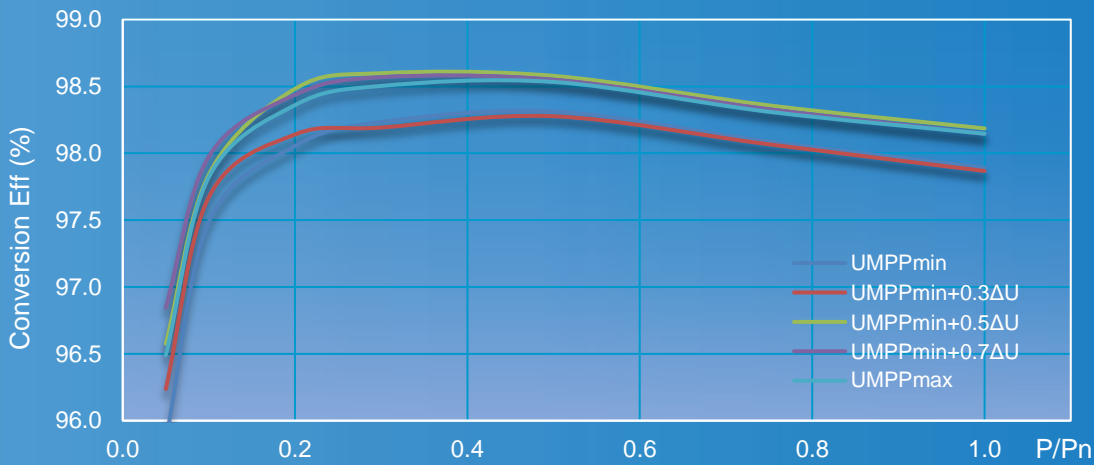
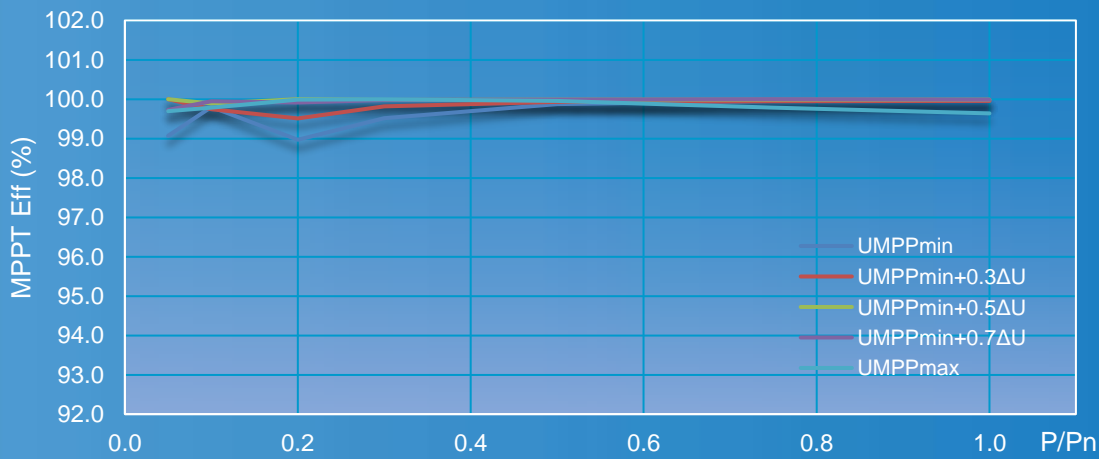


Reactive Power
Range:
[-50%P_n, 50%P_n]
Max. Apparent
Power: 110%P_n

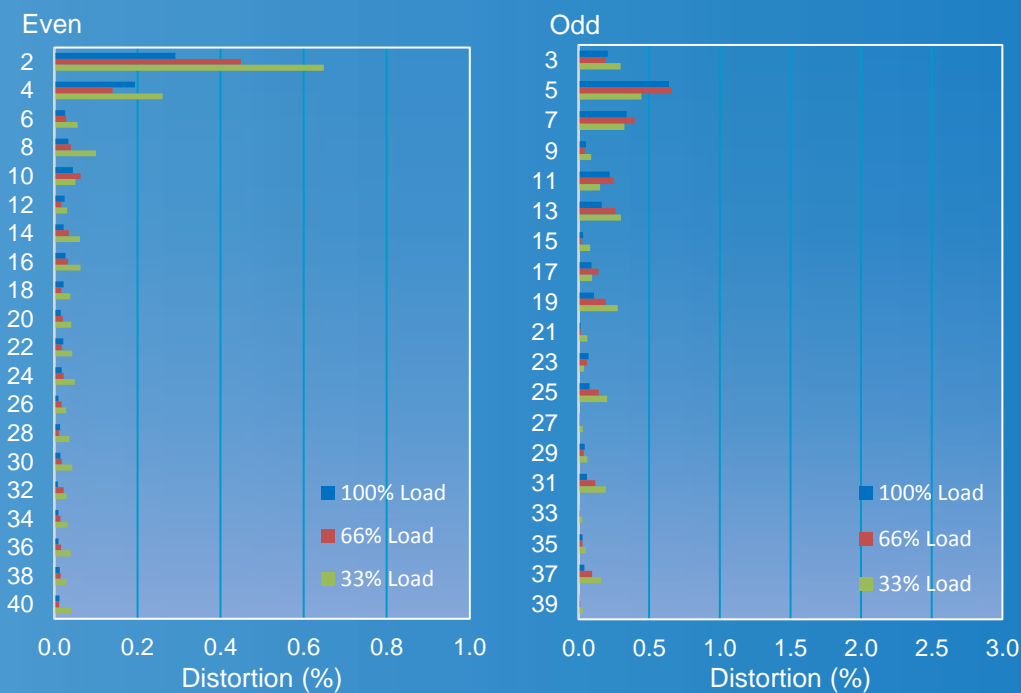
THERMAL STABILITIES



No power reduction up to 60°C

CHINA EFFICIENCY

 η_{\max} : 98.60%

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

 η_{China} : 98.14%

POWER QUALITY

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

