



质胜中国

2020光伏盛典

Solar Congress 2020



All
Quality
Matters



TÜVRheinland®

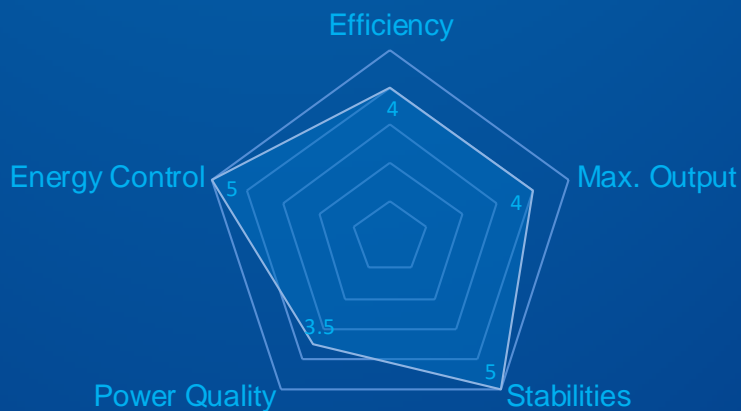
Precisely Right.

2019



ALL QUALITY MATTERS REPORT

GW6000-EH



RANK	SCORE
1	21.5

PRODUCT DATASHEET**DC Input:**

<input checked="" type="checkbox"/> V_{MAX} PV [V_{dc}]	580
<input checked="" type="checkbox"/> I_{sc} PV [A]	15.2/15.2
<input checked="" type="checkbox"/> MPP Range V_{MPP} [V_{dc}]	100-550
<input checked="" type="checkbox"/> Full Power MPP Range [V_{dc}]	250-550
<input checked="" type="checkbox"/> Max. Input Current I_{max} [A]	12.5/12.5
<input checked="" type="checkbox"/> MPP Tracking String	2
<input checked="" type="checkbox"/> Rated Battery Voltage [V_{dc}]	85 - 450
<input checked="" type="checkbox"/> Max. Charge/Discharge Current [A]	25.0/25.0

AC Output:

<input checked="" type="checkbox"/> Rated Output Voltage [V_{ac}]	230
<input checked="" type="checkbox"/> Voltage Range [V_{ac}]	184-264.5
<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]	6.0
<input checked="" type="checkbox"/> Max. Output Current [A]	26.1

General

<input checked="" type="checkbox"/> Protective Class	Class I	<input checked="" type="checkbox"/> Pollution Degree	PD 3
<input checked="" type="checkbox"/> Operating Temp Range [°C]	-35 to 60	<input checked="" type="checkbox"/> Dimension [mm]	354*433*147
<input checked="" type="checkbox"/> Altitude [m]	4000	<input checked="" type="checkbox"/> Night Loss [W]	< 1
<input checked="" type="checkbox"/> IP code	IP65	<input checked="" type="checkbox"/> Noise [dB]	< 35

Compliance:

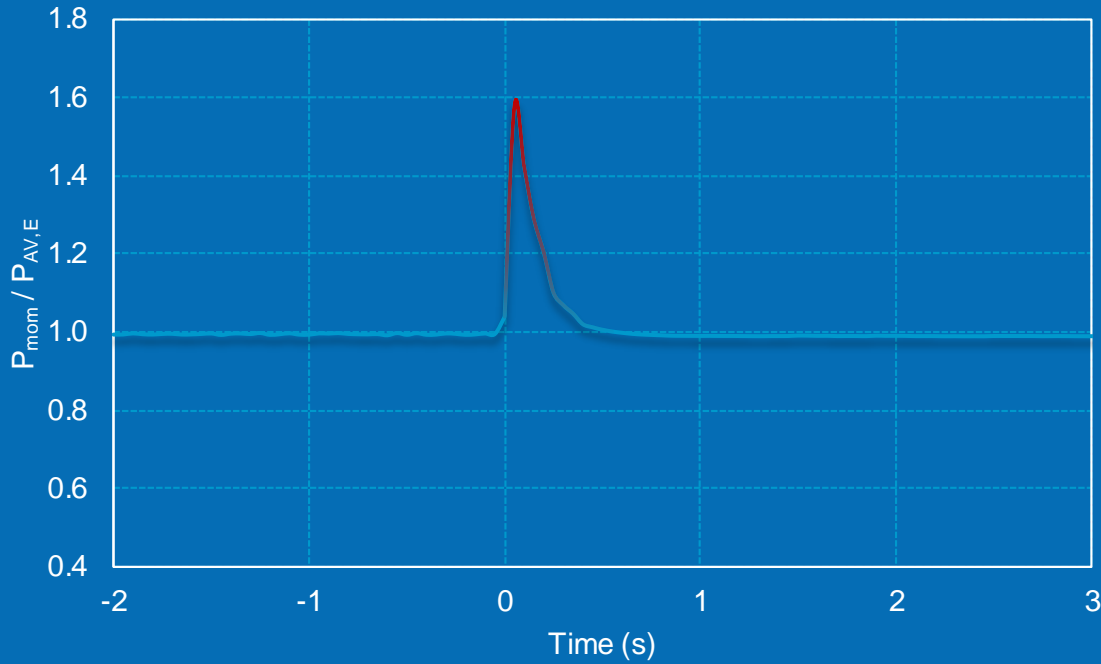
<input checked="" type="checkbox"/> Safety & EMC IEC/EN 62109-1, IEC/EN 62109-2 IEC/EN 61000-6-1, IEC/EN 61000-6-3	<input checked="" type="checkbox"/> Grid Code: VDE-AR-N 4105
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Additional Functions:

<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 type="checkbox"/> Anti PID
<input checked="" type="checkbox"/> LVRT	<input checked="" type="checkbox"/> HVRT
<input type="checkbox"/> IV Curve Tracing	<input type="checkbox"/> Anti Cloud Edge Effect

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ENERGY CONTROL

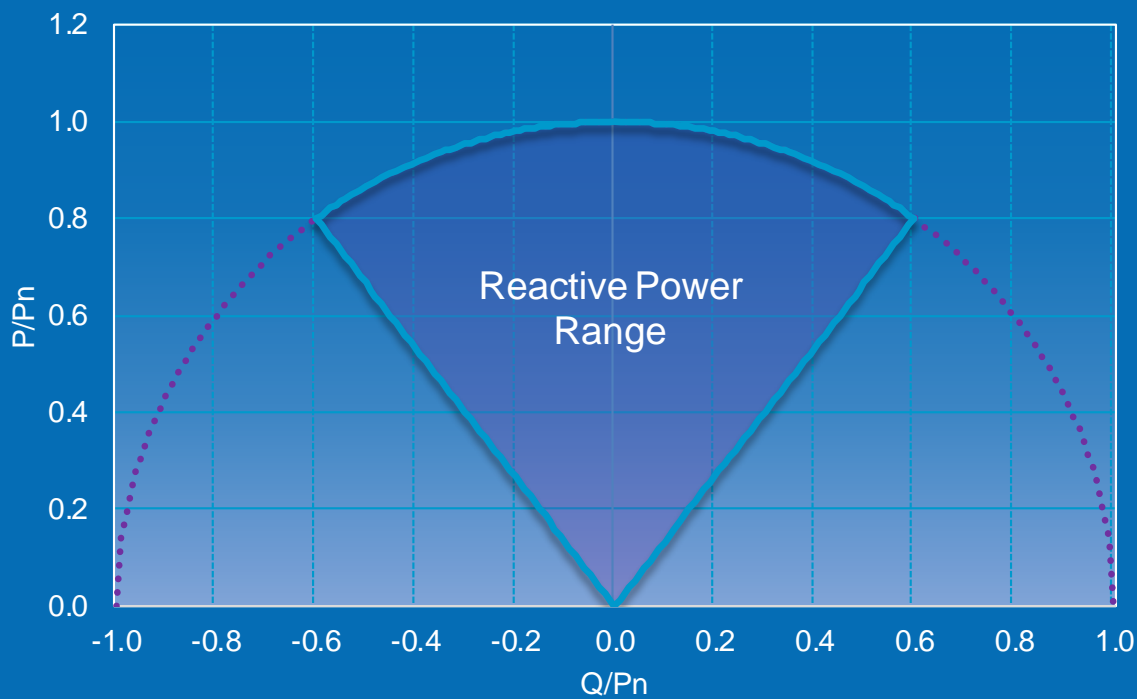


Export Accuracy:
1.0%

Response time:
0.6s

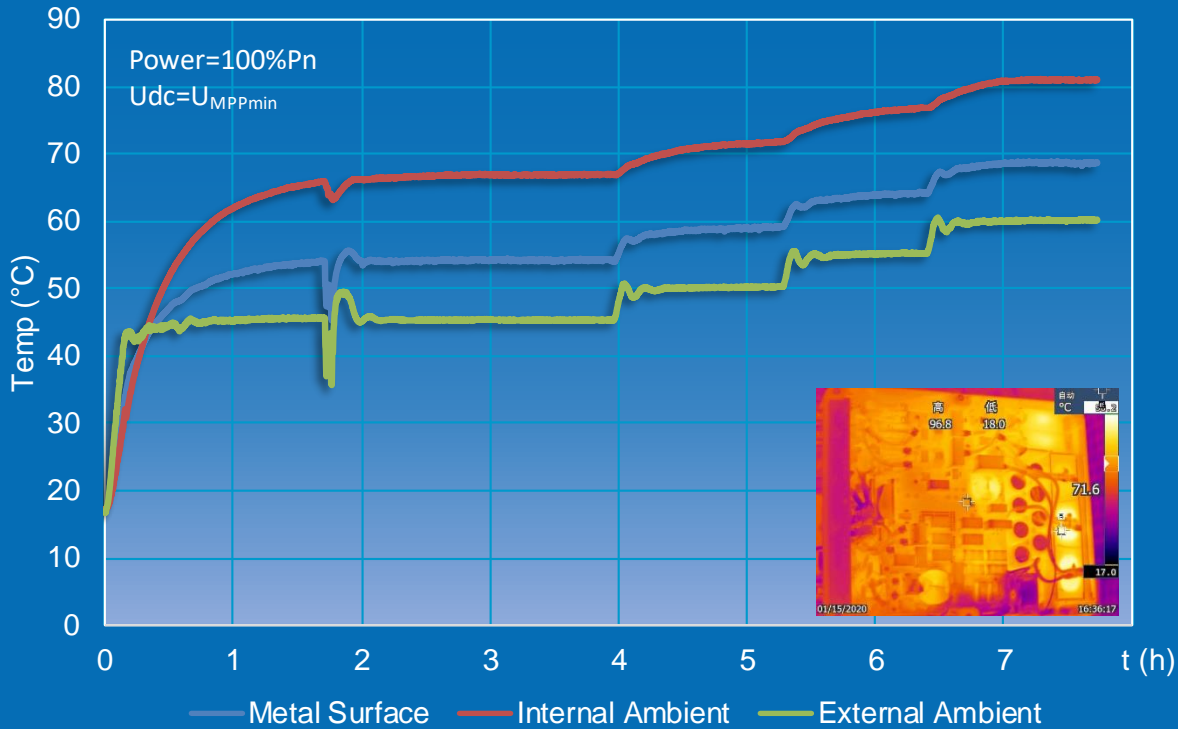
$P_{AV,E}$: 60%P_n

MAX. OUTPUT POWER



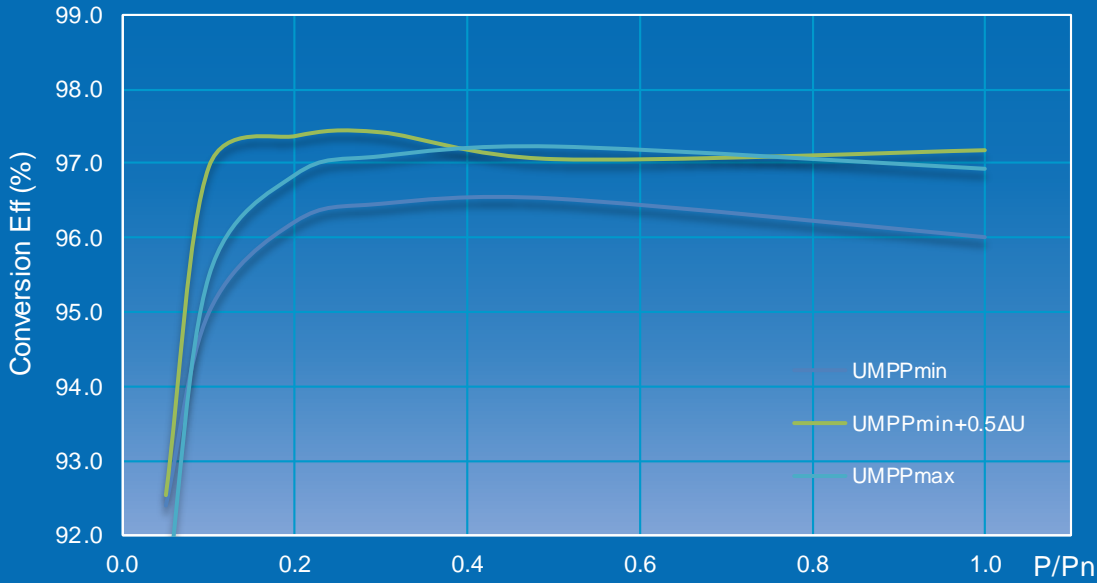
Reactive Power
Range:
[0.8_{lag}, 0.8_{lead}]
Max. Apparent
Power: 100%P_n

THERMAL STABILITIES



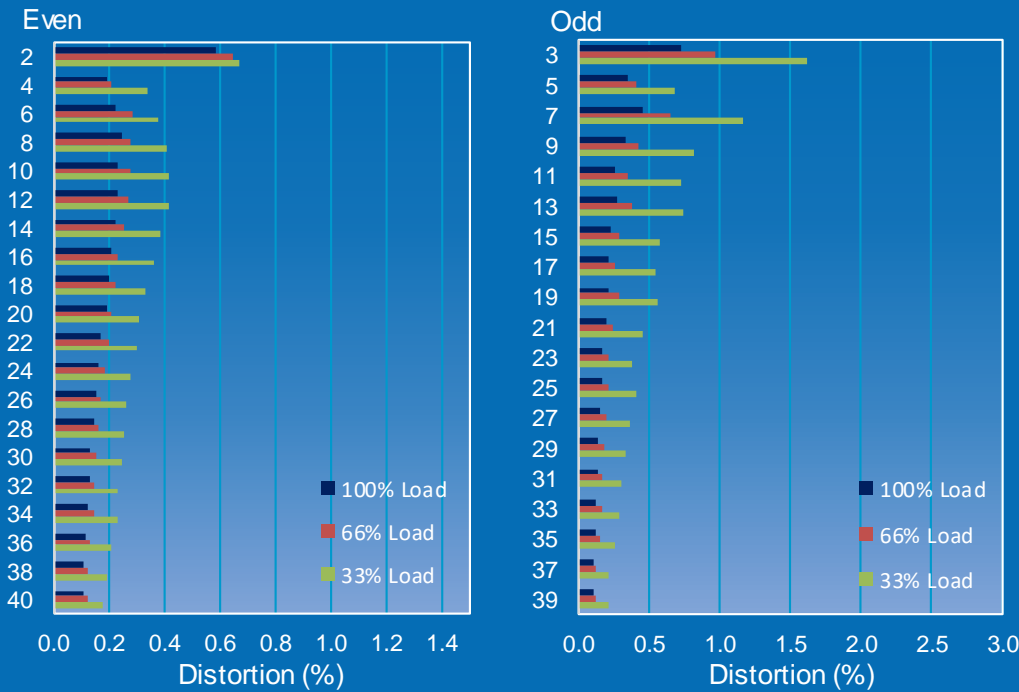
95%Pn @ 60°C

CONVERSION EFFICIENCY



η_{\max} : 97.42%

POWER QUALITY



$I_{THD \max}$: 3.0%

