



Application Note-MPPT Efficiency for SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1

Huawei Technologies Co., Ltd. Huawei Industrial Base Bantian, Longgang
 Shenzhen 518129
 People's Republic of China

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Revision History
 Version 1.0 March 4, 2022 – Initial release

Application Solution	MPPT Efficiency for SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1														
Solution Diagram	<table border="1" data-bbox="308 819 1453 1064"> <tr> <th colspan="2" data-bbox="308 819 1453 884">SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1 MPPT Euro Efficiency (Stable)</th> </tr> <tr> <td data-bbox="308 884 879 947">Test Situation (@600V 45°C)</td> <td data-bbox="879 884 1453 947">99.88%</td> </tr> <tr> <td data-bbox="308 947 879 1003">Test Situation (@600V 25°C)</td> <td data-bbox="879 947 1453 1003">99.78%</td> </tr> <tr> <td data-bbox="308 1003 879 1064">Test Situation (@600V -</td> <td data-bbox="879 1003 1453 1064">99.94%</td> </tr> </table> <div data-bbox="411 1106 1337 1529"> </div> <table border="1" data-bbox="308 1594 1453 1783"> <tr> <th colspan="2" data-bbox="308 1594 1453 1691">SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1 MPPT Max Efficiency (Dynamic)</th> </tr> <tr> <td data-bbox="308 1691 879 1736">Test Situation (100-500W/m²)</td> <td data-bbox="879 1691 1453 1736">99.97%</td> </tr> <tr> <td data-bbox="308 1736 879 1783">Test Situation (300-1000W/m²)</td> <td data-bbox="879 1736 1453 1783">99.89%</td> </tr> </table>	SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1 MPPT Euro Efficiency (Stable)		Test Situation (@600V 45°C)	99.88%	Test Situation (@600V 25°C)	99.78%	Test Situation (@600V -	99.94%	SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1 MPPT Max Efficiency (Dynamic)		Test Situation (100-500W/m²)	99.97%	Test Situation (300-1000W/m²)	99.89%
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Solution Notes	Please contact our local support for more details														