



????????????

1.?????????1?????10-100W??2?3-5KW?????????  
??3????????????????????????????

2. ?????????????/????????????/????????????????????/????????????????????

3. ??/????????????????????????????????/??/????????????????????????????????GPS????

4. ???/?????????

5.??

6.?????10KW-50MW????????????????????????????????????

7.??

8.?????????1????????????????/????????????????????????????????????2????????????????????????3????????????4?????  
????????????

??????????

????????????????????????????????????CdS,CdTe??-V????????GaAs,AlInP????????????????????????????????  
??Cu(In,C  
a)Se2??,????????????18%?

?????

1??STC????????????????????AM1.5?  
????1000W/m2???25??

2????????500W?????0?250V????????????????3.8~4.0?LUX????????????15-20CM????????????

3??

1?????

2?????

3???

4???

