Parts lists for solar charger

<https://webench.ti.com/power-designer/switching-regulator/customize/10>

Solar panel: $18

<https://www.amazon.com/Treedix-Polysilicon-Polycrystalline-Encapsulated-Waterproof/dp/B0834MQDT8/ref=sr_1_10?crid=ZON6KL1ZVZ52&keywords=10W%2Bsolar%2Bpanel&qid=1649971502&sprefix=10w%2Bsolar%2Bpanel%2Caps%2C145&sr=8-10&th=1>

Voltage Regulator: $2.98

<https://www.digikey.com/en/products/detail/texas-instruments/LM3478MA-NOPB/2682777>

10uf Capacitor: $0.45

<https://www.digikey.com/en/products/detail/kyocera-avx/TPSB106K016R0800/678477?s=N4IgTCBcDaICoAUDKAhAjABgGwGkNqwCUMAODDEAXQF8g>

20 ohm resistor: $0.20

<https://www.digikey.com/en/products/detail/yageo/RC0603FR-0720RL/727039?s=N4IgTCBcDaIEoGEAMA2JBmAYnAtEg7GEnADIgC6AvkA>

0.1uf capacitor:$0.10

<https://www.digikey.com/en/products/detail/murata-electronics/GRM155R71C104KA88D/675947?s=N4IgTCBcDaIOICUCyBGArGhB2FBhFADACwDSAggBwUAiIAugL5A>

909 ohm resistor:$0.10

<https://www.digikey.com/en/products/detail/stackpole-electronics-inc/RMCF1206FT909R/1754221>

0.082nf capacitor: $0.10

<https://www.digikey.com/en/products/detail/walsin-technology-corporation/0402B823K160CT/9354730>

200pf capacitor$ 0.10

<https://www.digikey.com/en/products/detail/yageo/CC0603KRX7R9BB201/5883801>

51.1 kohm resistor: $0.10

<https://www.digikey.com/en/products/detail/yageo/RC0603FR-0751K1L/727284?s=N4IgTCBcDaIEoGEAMA2JBmAYnAtEg7AKwCMA0sQDIgC6AvkA>

100 ohm resistor $0.10

<https://www.digikey.com/en/products/detail/yageo/RC0603FR-07100RL/726888?s=N4IgTCBcDaIEoGEAMA2JBmAYnAtEg7AIxJJwAyIAugL5A>

1000pf capacitor $0.10

<https://www.digikey.com/en/products/detail/murata-electronics/GRM1555C1H102JA01J/2543864?s=N4IgTCBcDaIOICUCyBGArBgwigEigDGAFICC%2BKRIAugL5A>

0.025 ohm resistor $0.50

<https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CSR1206FK25L0/1646093?s=N4IgTCBcDaIMIGUBKBGMAGAbAMQNJgFYAZdEAXQF8g>

mosfet: $1.61

<https://www.digikey.com/en/products/detail/texas-instruments/CSD17553Q5A/3461820?s=N4IgTCBcDaIMIGUAiBGA7AVgwZgIoYEEAdAFxAF0BfIA>

induct array $1.81

<https://www.digikey.com/en/products/detail/eaton-electronics-division/DRQ125-100-R/667233?s=N4IgTCBcDaICICUCKBGMBWAtCgDDzCIAugL5A>

1uf capacitor $0.19

<https://www.digikey.com/en/products/detail/murata-electronics/GRM21BR71C105MA01L/586691?s=N4IgTCBcDaIOICUCyYCMAhBB2VBhVADAKxICCBqAMiALoC%2BQA>

29.4 ohm resistor $0.10

<https://www.digikey.com/en/products/detail/vishay-dale/CRCW040229K4FKED/1178172>

10k ohm $0.10

<https://www.digikey.com/en/products/detail/yageo/RC0201FR-0710KL/1948870?s=N4IgTCBcDaIEoGEAMYkEYBicC0SDsaSA0gDIgC6AvkA>

22uf capacitor $0.41

<https://www.digikey.com/en/products/detail/taiyo-yuden/LMK212BJ226MG-T/1646587?s=N4IgTCBcDaIDIFkDSYCMYBCApMYBsCA4gLQAqIAugL5A>

diode $0.51

<https://www.digikey.com/en/products/detail/diodes-incorporated/B230A-13-F/814956?s=N4IgTCBcDaIEJgMwAYCCBaAjI9AxEAugL5A>