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2 Cot-20260812-01 OffGrid S=2.56kWstc I=3kW 120V B=5.1kWhr 51.2V :
3 Changes made to the offer.
4
5 Added a central switch panel 30x30x20cm for the various switches needed the panel will
be prepared for two inverters
6 Added the star link load to the load profile. Advised to use star link in bypass mode
when installed on the roof
7 Corrected the expected solar production to from 550 to 500kWh bimonthly
8 Added places to stay and food.
9
10 =====
11 5kW battery Backup time:
12
13 Standard backup calculations assume your system runs at full capacity all night, but
real-world home usage
14 naturally tapers off. Your highest energy demand occurs during evening hours (6:00 PM to
midnight).
15 Once you go to sleep, your energy draw drops significantly.
16
17 A 5 kWh battery capacity comfortably covers your overnight power needs until your solar
panels start
18 recharging the system in the morning. If your energy habits change down the road, your
setup is designed
19 to easily scale up with additional battery modules.
20
21 =====
22 Star link Conduit roof:
23 Customer says he will install star link. Suggested to install the star link mini. Not
suggested but something
24 to think about is is to have two 1" ducts or conduit running from the roof to the
location were the inverters
25 are installed. The conduits are used for star link and the solar DC cables.
26
27 The Star link needs a heavy power supply of 60..100W Watt with a 12-48Vdc output.
Suggested is to use a 48Vdc
28 power supply and a low power WIFI router close to that location.
29
30 =====
31 Noise:
32 Inverters make noise with their blowers. This should be considered when choosing the
location were to install
33