Michael Wittenburg /2015 VW Crafter Electricity Consumption Estimate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Device | Hours/day | Volts | Amps | Watts | Wh |  Hz |
| Compressor fridge \* | 24 |   |   |   |   |   |
| 1 x induction cooker \* |  |  |  |  |  |  |
| Lights \* | 6 h/day (summer)12 h/day (winter) |   |   |   |   |   |
| Handheld vacuum cleaner | ~ 30 mins/week | 7.2 | 2.0 Ah |   | 14.4Wh |   |
| Water heater \* |   |   |   |   |   |   |
| Diesel/electric hybrid heater \* |   |   |   |   |   |   |
| GPS Tracker | Battery powered |   |   |   |   |   |
| Laptop **x 2**Battery Capacity NominalBattery Capacity Min | ~ 8 | 220-240 |   |   |  47.7 Wh46.5 Wh |   |
| Xbox Series X | 2 max | 220-240 |   | 32\*\*\* |   |   |
| Display/monitor \* | 2 max | 220-240 |   |   |   |   |
| Air pump (cigarette lighter socket) |   | 12 |   |   |   |   |
| Kettle\*\*\* | ~ 30 mins/day | 220-240 |   |   | 1850-2200W  | 50-60Hz |
| USB Radio/speaker |   |   |   |   |   |   |
| Mobile phone charger x 2 | 2 hours/day | 100-240 | 3 | 15 |   |  50/60Hz |
| Dashcam | 6 hours/day |   |   |   |   |   |
| Drone | ~ 90 mins/week |   |   |   |   |   |
| V-Log Camera | Charge 1/week |   |   |   |   |   |
| Digital Camera | Charge 1/week |   |   |   |   |   |
| Roof extractor fan |   |   |   |   |   |   |
| Electric shaver | ~1 hour/week | 100-240 | 550 mA | 4 W in |   |   |
| StarLink \*\* | ~ 8 hours a day |   |   | 50-75W |   |   |
| Toaster | 10 mins/day |   |   | 1500W  |   |   |

\* Product to be determined

\*\* 12V conversion hack for StarLink exists, have yet to investigate

\*\*\* I'd happily use a 12V kettle, but unsure if they're any good...