|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Converters** | **Gain** | **Duty Cycle (D)** | | | | | |
| **0.2** | **0.33** | **0.5** | **0.67** | **0.8** | **0.9** |
| **Boost** |  | 1.25 | 1.5 | 2 | 3 | 5 | 10 |
| **Buck-Boost** |  | 0.25 | 0.5 | 1 | 2 | 4 | 9 |
| **Cuk** |  | 0.25 | 0.5 | 1 | 2 | 4 | 9 |
| **SEPIC** |  | 0.25 | 0.5 | 1 | 2 | 4 | 9 |
| **Zeta** |  | 0.25 | 0.5 | 1 | 2 | 4 | 9 |
| **Super-Lift Luo** |  | 2.25 | 2.5 | 3 | 4 | 6 | 11 |
| **Ultra-Lift Luo** |  | 0.56 | 1.25 | 3 | 8 | 24 | 99 |