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| **Name** | **LRF Plus-20** | **LRF Plus-40** | **LRF Plus-80** |
| Laser wavelength | 1064nm | | |
| Single-pulse energy | ≥20mJ | ≥ 40mJ | ≥ 80mJ |
| Irradiation frequency | 15Hz~25Hz(Codable) | | |
| Distance detection range (2.3m x 2.3m vehicle,  target reflectivity: ≥ 0.3 ) | ≥ 4km | ≥ 6km | ≥ 10km |
| Power lifecycle | working for 30s, rest for 20s,8 cycles | working for 30s, rest for 20s, 8 cycles | working for 47s, rest for 40s, 8 cycles |
| Diging angle | ≤ 0.45mrad | | |
| Stability of emission axis | ≤0.05mrad | | |
| Encoding timing accuracy | ≤±1μs | | |
| Weight | ≤800g | ≤1300g | ≤1600g |
| Dimension (mm) | ≤126\*76\*72 | 89\*64\*175 | 89\*64\*190 |
| PowerSupply adaptability | DC 22V~32V | | DC 18V~30V |
| Pulse Width | 15ns±5ns | | |
| Power consumption | AVG ≤ 70W; Peak:≤ 100W | AVG ≤ 80W; Peak:≤ 150W | AVG ≤ 90W; Peak:≤ 190W |
| Operating Temp | -40 ℃ ~ + 65 ℃ | | |
| Storage Temp | -55 ℃ ~ + 75 ℃ | | |
| Vibration test | Meet the vibration standard of GJB150.16A.2009 for airborne, shipborne and vehicle-mounted equipment. | | |
| Impact test | Meet the impact standard of GJB150.18A.2009 for airborne, shipborne and vehicle-mounted equipment. | | |