

Air Defense Systems Iran Could Supply to Syria Post-October 2020

| Name (type) | Altitude | Associated missile | Unveiling date (service entry) | Detection range (km) | Tracking range (km) | Targets simultaneously detected/tracked/engaged | Min firing range (km) | Max firing range (km) | Max engagement altitude (km) | Notes |
|--|----------|--|-----------------------------------|----------------------|---------------------|---|-----------------------|-----------------------|------------------------------|--|
| Hael (AAA) | Low | 35 mm high-explosive rounds | Nov. 2018 | N/A | N/A | N/A | N/A | N/A | N/A | A self-propelled 35 mm Oerlikon anti-aircraft gun coupled with an electro-optical (EO) tracking and guidance system. |
| Misagh-3 (MANPADS) | Low | N/A | Jan. 2017 | N/A | N/A | N/A | N/A | 5 | 3.5 | Includes a laser proximity fuse and a 5 kg warhead. Licensed copy of Chinese QW-1. |
| Ya Zahra-3 (SAM) | Low | Shahab-e Thaqeb | Jan. 2013 | N/A | N/A | N/A | 0.5 | 8.6-11 | 5.5-10 | Used by the Islamic Revolutionary Guard Corps Aerospace Force (IRGCASF) and the Islamic Republic of Iran Air Defense Force (IRIADF). Iranian copy of Chinese semi-mobile FM-80, itself a copy of French Crotale. Beam-rider radar guidance with EO tracking. |
| Herz-eh Nohom (SAM) | Low | Shahab-e Thaqeb | June 2013 | N/A | N/A | N/A | 0.5 | 10-12 | 6-10 | IRGCASF. Fully mobile version of Ya Zahra with passive radar guidance and EO tracking. |
| Raad-1 (SAM) | Mid | 3M9/9M9 Kub, Taer-1 | Sept. 2012 | N/A | N/A | ?/1/1 | 3 | 24-50 | 14-25 | IRGCASF. Wheeled, three-round transporter erector launcher (TEL) with "passive guidance" |
| Raad-2 (SAM) | Mid | Taer-2A | Apr. 2014 | 80 | N/A | ?/1/1 | N/A | 24-50 | 14-50 | IRGCASF. Coupled with Sephehr-14 EO tracking system (40 km range) and passive homing (missile) |
| Mersad (Mersad, Mersad-1/2/16, Qader (SAM) | Low-Mid | Shahin, Shalamcheh, Sayyad-2 (Mersad-16) | Apr. 2010 | 150 | 80 | 100/?/2 | N/A | 40-45 | 18 | IRIADF. Can be paired with Najm-804 (or mobile Kavosh search radar, 110-150 km) and Hafez (110-250 km detection and 80 km tracking range) long-range phased array 3D search radars. Qader is the truck-mounted mobile version. Associated reverse-engineered radars reportedly include the Kashef, Jooya, and Haadi, a high power illuminator radar (HPIR) with 80 km range. |
| Tabas-1 (SAM) | Low-Mid | 3M9/9M9 Kub, Nohom-e Dey, Taer-2A/2S | May 2014 (2015) | N/A | N/A | 100/100/4 | N/A | 24, 30, 75 | 27 | IRGCASF. Can be linked with Bashir search radar. Full battery can reportedly fire eight missiles simultaneously at four targets. |
| 3rd of Khordad (SAM) | Mid-High | Taer-2/2B, Sayyad-2/2C/2CM | May 2014 | 150 | N/A | ?/4/4 | 5 | 50-105 | 25-30 | IRGCASF. With active array search and fire-control radar. Reportedly used to shoot down U.S. RQ-4 drone over the Strait of Hormuz, and can operate independently. Recently equipped with EO day/night tracking system. Can be linked with Bashir search radar. |
| Talash-1 (SAM) | Mid-High | Sayyad-2 | 2015 (Jan. 2016) | 150 | N/A | N/A | 35 | 75 | N/A | IRIADF. Used to protect high-value assets against a variety of aerial targets. Can be linked with S-200's K-1 Square Pair engagement radar (270 km range). |
| Talash-2 (SAM) | Mid-High | Sayyad-2, Sayyad-3 | (July 2017) | 150 | N/A | N/A | 35 | 75-200 | 25-27 | IRIADF |
| Talash-3 (SAM) | Mid-High | Sayyad-2, 5V21 (S-200) | N/A | 150 | N/A | N/A | 35 | 75 | 25 | IRIADF. Upgraded S-200 with new radar and missiles |
| Talash-4 (SAM) | Mid-High | Sayyad-3C | July 2017 | N/A | N/A | N/A | 35 | 120 | 27 | IRIADF. Probably developed into 15th of Khordad. Claimed ability to engage ballistic and semi-ballistic missiles. Includes Ofogh fire-control radar capable of engaging low-radar-cross-section (RCS) targets. Can replace S-200. Sayyad-3 reportedly has semi-active and active homing modes. |
| Sayyad (SAM) | Mid-High | Sayyad-2, Sayyad-3C | Sept. 2016 | N/A | N/A | ?/3/3 | N/A | 50 | 27 | IRGCASF variant of Talash, with Najm-802 target acquisition phased array track-while-scan (TWI) radar and Sayyad fire-control radar. |
| 15th of Khordad (SAM) | Mid-High | Sayyad-2, Sayyad-3C, Sayyad-3 | June 2019 (Jan. 2020) (June 2019) | 150 | 120 | 6/6 | N/A | 75-120 | 27-150 | IRIADF. Major upgrade of Talash. "Quick reaction system" equipped with Najm-802 phased array radar. Claimed abilities include detecting stealth aircraft at 85 km, tracking them at 45 km, and tracking/engaging drones and ballistic/cruise missiles. Tailored to protect large cities and critical infrastructure. |
| Bavar-373 (SAM) | High | Sayyad-2, Sayyad-3, Sayyad-4 | Aug. 2019 | 320 | 260 | 300/60/6-9 | N/A | 75, 120, 200 | 27 | IRIADF. Vertical-launch "air dominance" weapon with claimed ability to track/engage high-altitude and stealth aircraft, helicopters, drones, and anti-radiation/ballistic/cruise missiles with 360-degree coverage. Includes command vehicle, search radar, engagement radar, and up to six launchers with four rounds in separate canisters. Can be paired with Sairan Meraj-4 (M-4) active array LPI S-band radar (claimed 450 km detection range, 130 km detection altitude, detects ballistic missiles at 1,200 km). |