

Ariane-5G



Ariane-5G (XMM) [Arianespace]
(short fairing)



Ariane-5G (Optus C1/BSat 2c)
[Arianespace] (medium fairing)



Ariane-5G (Envisat) [Arianespace]
(long fairing)



Ariane-5G (MaqSat 3, ARD) [ESA]
(short fairing + SPELTRA)

→ complete [Ariane-5 list](#)

Version	Strap-On	Stage 1	Stage 2
Ariane-5G	2 × EAP P238	EPC H158 / Vulcain	EPS L9.7 / Aestus

Performance (kg)	LEO	LPEO	SSO	GTO	GEO	MoIO	IP
Ariane-5G	18000			6900 dual: 6100	-		

No.	Type	TypeNo	Fai	Serial	Date	LS	Payload
1	Ariane-5G	1		V-89 / 501	04.06.1996	Ko ELA-3	F Cluster FM1 / Cluster FM2 / Cluster FM3 / Cluster FM4
2	Ariane-5G	2		V-101 / 502	30.10.1997	Ko ELA-3	P MaqSat H & TEAMSAT / MaqSat B / YES
3	Ariane-5G	3		V-112 / 503	21.10.1998	Ko ELA-3	MaqSat 3 / ARD *
4	Ariane-5G	4	S	V-119 / 504	10.12.1999	Ko ELA-3	XMM-Newton
5	Ariane-5G	5	S	V-128 / 505	21.03.2000	Ko ELA-3	Insat 3B / AsiaStar
6	Ariane-5G	6	S	V-130 / 506	14.09.2000	Ko ELA-3	Astra 2B / GE 7
7	Ariane-5G	7	S	V-135 / 507	16.11.2000	Ko ELA-3	PAS 1R / AMSAT P3D (OSCAR 40) / STRV 1C / STRV 1D
8	Ariane-5G	8	S	V-138 / 508	20.12.2000	Ko ELA-3	Astra 2D / GE 8 (Aurora 3) / LDREX
9	Ariane-5G	9	S	V-140 / 509	08.03.2001	Ko ELA-3	Eurobird 1 / BSat 2a
10	Ariane-5G	10	S	V-142 / 510	12.07.2001	Ko ELA-3	P Artemis / BSat 2b
11	Ariane-5G	11	L	V-145 / 511	01.03.2002	Ko ELA-3	Envisat 1
12	Ariane-5G	12	S	V-153 / 512	05.07.2002	Ko ELA-3	Stellat 5 / N-Star c
13	Ariane-5G	13	S	V-155 / 513	28.08.2002	Ko ELA-3	Atlantic Bird 1 / MSG 1 / MFD
15	Ariane-5G	14	M	V-160 / 514	09.04.2003	Ko ELA-3	Insat 3A / Galaxy 12
16	Ariane-5G	15	M	V-161 / 515	11.06.2003	Ko ELA-3	Optus C1 / BSat 2c
17	Ariane-5G	16	S	V-162 / 516	27.09.2003	Ko ELA-3	Insat 3E / eBird 1 / SMART 1

Failures:

- Flight 1: Vehicle veered off course after 37 sec, destroyed
- Flight 2: Orbit too low due to roll problem
- Flight 10: Orbit too low due to second stage problem

Launch sites:

Ko = Centre Spatial Guyanais (CSG), Kourou, French Guiana