

Template:AVL ID List - E-Scooter elements

E-Scooter elements

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	HW Support	Supported by scooter	Parameter Group
				Min	Max						
339	Serial number	14	ASCII	0	267	-	-	Scooter serial number			E-Scooter elements
340	Master control FW version(1)	2	Unsigned	0	65535	-	-	Scooter's PCB and FW versions. First 4 bits (MSB) describe PCB version and the next 12 bits - FW version. For example, 10 value in hex(10), it means PCB version is 1 and FW version V1.0.1.	23120	ESMAX/FS/Star	E-Scooter elements
341	Error	1	Unsigned	0	50	-	-	Scooter error code (from 10 to 50).	23120	ESMAX/MS/FS/Star	E-Scooter elements
342	Alarm code	1	Unsigned	9	12	-	-	9 - alarm for being pushed in lock mode 12 - alarm for high speed energy during brake	23120	ESMAX/MS/MS	E-Scooter elements
344	Lock status	1	Unsigned	0	1	-	-	0 - Scooter is unlocked 1 - Scooter is locked	23120	ESMAX/MS/FS/Star	E-Scooter elements
345	Buzzer alarm status	1	Unsigned	0	1	-	-	0 - Scooter's buzzer is not active 1 - Scooter's buzzer is active	23120	ESMAX/MS/MS	E-Scooter elements
346	External battery status	1	Unsigned	0	1	-	-	0 - Scooter don't have external battery connected 1 - Scooter has external battery connected	23120	ES	E-Scooter elements
347	Charging status	1	Unsigned	0	1	-	-	0 - not charging, 1 - charging	23120	ESMAX	E-Scooter elements
349	Current operation mode	1	Unsigned	0	2	-	-	0 - NORMAL, 1 - ECU, 2 - SPORT	23120	ESMAX	E-Scooter elements
350	Internal battery voltage	2	Unsigned	0	42000	-	mV	Scooter's internal battery voltage	23120	ESMAX/MS/MS	E-Scooter elements
351	External battery voltage	2	Unsigned	0	42000	-	mV	Scooter's external battery voltage	23120	ES	E-Scooter elements
352	Battery percentage	1	Unsigned	0	100	-	%	Battery percentage of the scooter	23120	ESMAX/MS/FS/Star	E-Scooter elements
353	Actual remaining mileage	4	Unsigned	0	327670	-	m	Actual mileage with remaining battery power	23120	ESMAX/MS/MS	E-Scooter elements
354	Predicted remaining mileage	4	Unsigned	0	327670	-	m	Predicted mileage with remaining battery power	23120	ESMAX	E-Scooter elements
355	Speed	1	Unsigned	0	255	-	km/h	Current scooter's speed	23120	ESMAX/MS/FS/Star	E-Scooter elements
356	Total mileage	4	Unsigned	0	2147483647	-	m	Scooter's total mileage	23120	ESMAX/MS/FS/Star	E-Scooter elements
357	Single mileage	4	Unsigned	0	327670	-	m	Single trip mileage	23120	ESMAX/FS/Star	E-Scooter elements
358	Single operation time	4	Unsigned	0	2147483647	-	sec	Scooter's total operation time	23120	ESMAX/MS/MS	E-Scooter elements
359	Total riding time	4	Unsigned	0	2147483647	-	sec	Scooter's total riding time	23120	ESMAX/FS/Star	E-Scooter elements
360	Single operation time	2	Unsigned	0	327670	-	sec	Single operation time	23120	ESMAX/MS/MS	E-Scooter elements
361	Single riding time	2	Unsigned	0	327670	-	sec	Single riding time	23120	ESMAX/FS/Star	E-Scooter elements
362	Body temperature	2	Signed	-32767	32767	0.1	°C	Temperature inside scooter	23120	ESMAX/FS/Star	E-Scooter elements
363	Internal battery temperature 1	2	Signed	-32767	32767	0.1	°C	Internal battery temperature 1	23120	ESMAX/MS/MS	E-Scooter elements
364	Internal battery temperature 2	2	Signed	-32767	32767	0.1	°C	Internal battery temperature 2	23120	ESMAX/MS/MS	E-Scooter elements
365	External battery temperature 1	2	Signed	-32767	32767	0.1	°C	External battery temperature 1	23120	ES	E-Scooter elements
366	Supply voltage	2	Unsigned	0	32767	-	mV	Supply voltage of the control circuit (system driving voltage)	23120	ESMAX/MS/FS/Star	E-Scooter elements
367	External battery temperature 2	2	Signed	-32767	32767	0.1	°C	External battery temperature 2	23120	ES	E-Scooter elements
369	Average speed	2	Unsigned	0	65535	-	km/h	Average speed	23120	ESMAX/MS/MS	E-Scooter elements
370	External battery FW version(1)	2	Unsigned	0	65535	-	-	Scooter's external battery FW version	23120	ES	E-Scooter elements
371	Internal battery FW version(1)	2	Unsigned	0	65535	-	-	Scooter's internal battery FW version	23120	ESMAX/MS/MS	E-Scooter elements
372	Instrument panel FW version(1)	2	Unsigned	0	65535	-	-	Scooter's instrument panel FW version	23120	ESMAX	E-Scooter elements
374	Internal battery capacity	1	Unsigned	0	100	-	%	Current residual capacity percentage of internal battery	23120	ESMAX	E-Scooter elements
375	External battery capacity	1	Unsigned	0	100	-	%	Current residual capacity percentage of external battery	23120	ES	E-Scooter elements
382	Normal speed limit	1	Unsigned	5	30	-	km/h	Normal speed limit	23120	ESMAX	E-Scooter elements
393	Eco speed limit	1	Unsigned	5	30	-	km/h	Eco speed limit	23120	ESMAX	E-Scooter elements
394	Sport speed limit	1	Unsigned	5	30	-	km/h	Sport speed limit	23120	ESMAX	E-Scooter elements
396	Battery lock status	1	Unsigned	0	1	-	-	Battery lock status	23120	MAX	E-Scooter elements
397	Cable lock status	1	Unsigned	0	2	-	-	Cable lock status	23120	MAX	E-Scooter elements
377	Cable lock FW version	2	Unsigned	0	65535	-	-	Cable lock FW version	23120	MAX	E-Scooter elements