	idHex name	unit r	numBits	Reported by	Comment	Calculated in-app Measurement accuracy	Accuracy comment	Source	Classic Model	S Newe
14	00E Steering angle	deg	16	?		10		Chouinard/teslalog.com	x	x
258	102 Battery current	A		BMS		10		WK057/Skie.net	×	x
258	102 Battery content	kW		BMS		x 10			x	x
258	102 Battery voltage	V		BMS		10			x	х
262	106 Rr motor RPM	RPM		Rear drive unit		10			х	x
277	115 Fr motor RPM	RPM	16	Front drive unit		10		WK057/Skie.net		x
278	116 Rr torque estimate	Nm	16	Rear drive unit	Always shows 0 on classic/RWD model S	10		WK057/Skie.net		x
					Seems to be about 1 km/h less than the in-car					
					speedo. Noticed that this one goes up if the rear tires are spinning (I have an RWD car), while the in-car speedo does not (which suggests this one is calculated from motor RPM or rear wheel sensors,					
					and the in-car speedo comes from GPS or front					
278	116 Speed	km h		Rear drive unit	wheels).	10		WK057/Skie.net	x	х
325	145 Fr torque estimate	Nm	16	Front drive unit		10		WK057/Skie.net		x
340	154 Rr torque measured	Nm	16	Rear drive unit		10		WK057/Skie.net	x	x
340	154 Watt pedal	%		Rear drive unit		10			×	x
360	168 Brake pedal	%		?			Scaling is still inaccurate			
							Scaling is still inaccurate	Chouinard/teslalog.com	x	
468	1D4 Fr torque measured	Nm	16	Front drive unit		10		WK057/Skie.net		х
468	1D4 Rr/Fr torque bias	%	1			x 10		scan my tesla	x	x
528	210 DC-DC coolant inlet	С	8	DC-DC		10		WK057/Skie.net	x	x
					Current draw of the 12v system, including 12v					
528	210 DC-DC current	A12	8	DC-DC	battery charge	10		WK057/Skie.net	x	x
528	210 DC-DC efficiency	%		DC-DC		x 5		scan my tesla	×	x
528	210 DC-DC input power	w		DC-DC		10			×	x
		w								
528	210 DC-DC output power			DC-DC		10			x	X
528	210 DC-DC voltage	V12		DC-DC		10			x	x
528	210 HV power	kW	8		Battery power minus DC-DC input power	х 8			×	х
562	232 Max discharge power	kW		BMS		10			x	х
562	232 Max regen power	kW	16	BMS		10		WK057/Skie.net	×	x
614	266 Non-propulsive power	kW	24			x 10			×	x
							Very low res, always reports 0.5 kw as	,		
614	266 Rr dissipation	kW	s	Rear drive unit	My understanding is that this is energy lost to heat, friction etc.		long as the drive unit is active. This throws off many other calculations, so I subtract 0.5 kw. Not sure how accurate it is on higher loads	WK057/Skie.net	¥	¥
			,	unit	Reported by drive unit. Will differ from the limits	3	J - :			
614	266 Rr drive power max	KW	16	Rear drive unit	given by BMS	10		WK057/Skie.net	×	x
- 1		+		unit			Lots of assumptions, also relies on			
614	266 Rr efficiency	%	24			х 5	Dissipation	WK057/Skie.net	×	x
614	266 Rr input power	kW		Rear drive unit	Mech power + Dissipation	x 5			x	x
614	266 Rr inverter 12V 266 Rr mech power	V12 kW			12v feed at drive unit Shaft power at motor output	7	I'd like to compare this to a dyno run. On my car it seems to come close to the car's spec when the battery is full		x	x
							I'd like to compare this to a dyno run. On my car it seems to come close to the car's spec when the battery is full. There are many types of HP, I used KW -> Electric HP.			
614	266 Rr mech power HP	HP	16	Rear drive unit	Mech power converted to U.S. horse power	x 7	HP.	WK057/Skie.net	x	x
					Reported by drive unit. Will differ from the limits					
614	266 Rr regen power max	KW		Rear drive unit	given by BMS	10			×	x
614	266 Rr stator current	A	16	Rear drive unit		10		WK057/Skie.net	×	х
							Unstable numerical calculation from rear			
							wheel rpm vs motor rpm. Assuming my			
648	288 Rear drive ratio	:1				х 3	car has the 9,73:1	scan my tesla	x	
648	288 Rear left	WRPM	16	1		5			×	
648	288 Rear right	WRPM	16			5				
			16	1					x	
680	2A8 Front drive ratio	:1				х 3			x	
680	2A8 Front left	WRPM	16	1		5		scan my tesla	×	
680	2A8 Front right	WRPM	16	1		5		scan my tesla	×	
682	2AA HVAC A/C			HVAC	HVAC selection	10		Chouinard/teslalog.com	×	x
682	2AA HVAC fan speed			HVAC	HVAC selection	10		Chouinard/teslalog.com		х
682	2AA HVAC feet			HVAC	HVAC selection	10		Chouinard/teslalog.com		х
682	2AA HVAC on/off			HVAC	HVAC selection	10		Chouinard/teslalog.com	×	x
682	2AA HVAC seat		1	HVAC	HVAC selection	10		Chouinard/teslalog.com	x	x
682	2AA HVAC Temp L			HVAC	HVAC selection	10		Chouinard/teslalog.com		x
682	2AA HVAC Temp R			HVAC	HVAC selection	10		Chouinard/teslalog.com		x
682	2AA HVAC window			HVAC	HVAC selection	10		Chouinard/teslalog.com		x
741	2E5 Fr dissipation	kW		Front drive unit		5			x	х
741	2E5 Fr drive power max	kW	16	Front drive unit		10			x	x
741	2E5 Fr efficiency	%	56	Front drive unit		10			×	х
741	2E5 Fr input power	kW	24	Front drive unit		10			x	x
741	2E5 Fr mech power	kW		Front drive unit		10			×	x
741	2E5 Fr mech power HP	HP		Front drive unit		10			x	х
741	2E5 Fr stator current	A	16	Front drive unit		10		WK057/Skie.net	×	x
741	2E5 Fr+Rr efficiency	%	14			x 5		scan my tesla	x	x
741	2E5 HP combined	HP	16	1		x 10		-	×	x
741	2E5 Mech power combined		16			x 10			x	x
	con power combined		10				Inaccurate on older cars, didn't start	, www		
770	302 AC Charge total	kWH	20	BMS		10	counting until a certain software update	DB2	inaccurate	x
770	302 DC Charge total	kWH		BMS	These are off compared to the displays in the car.		Inaccurate on older cars, didn't start counting until a certain software update		inaccurate	x
770	302 SOC Min	%	16	BMS	Kept alive for legacy reasons, and theories about where the absolute empty of the battery is These are off compared to the displays in the car. Kept alive for legacy reasons, and theories about	3		WK057/Skie.net	x	x
770	302 SOC UI	%	16	BMS	where the absolute empty of the battery is	3			x	x
774	306 Rr coolant inlet	С		Rear drive unit		10		WK057/Skie.net	x	x
774	306 Rr DC capacitor	С		Rear drive unit		10			x	x
774	306 Rr heat sink	С		Rear drive unit		10			x	x
774	306 Rr inverter	C		Rear drive unit		10				
									x	x
774	306 Rr inverter PCB	С		Rear drive unit		10			х	х
774	306 Rr stator	С	8	Rear drive unit		10		WK057/Skie.net	х	х
770	200 1			LINVAC	Louvers in the HVAC system, location and				_	L.
776	308 Louver 1	b		HVAC	absolute scale unknown	0			x	x
776	308 Louver 2	b		HVAC		0			x	x
776	308 Louver 3	b	8	HVAC		0		scan my tesla	×	x
776	308 Louver 4	b	8	HVAC		0			×	x
776	308 Louver 5	b	5	HVAC		0			×	x
776	308 Louver 6	b		HVAC		0			×	x
776	308 Louver 7	b		HVAC		0				
									x	х
	308 Louver 8	b	8	HVAC		0		scan my tesla	х	х
776	040 4:5 : :				Air cooled by A/C, before being mixed with hot or					
	318 A/C air temp	С		HVAC	fresh air	10			х	x
792	318 Inside temp	С		HVAC		10		scan my tesla	x	х
	318 Outside temp	С		HVAC		10			x	x
792 792		С		HVAC		10			x	x
792 792 792	318 Outside temp filtered	C		HVAC	Contant temperature at batteny intel	8				
792 792 792 792	318 Outside temp filtered 31A Battery inlet	~	16		Coolant temperature at battery inlet Coolant temperature towards drive unit(s), at 4- way valve near battery. This valve will either series connect the battery and drive units, or run battery	8		scan my tesla	x	x
792 792 792	318 Outside temp filtered 31A Battery inlet					_		scan my tesla	x	x
792 792 792 792 794	31A Battery inlet	c	44	HVAC	and drive units in parallell					^
792 792 792 792 792 794	31A Battery inlet	C		HVAC	and drive units in parallell.	8				
792 792 792 792 792 794 794	31A PT inlet 338 Rated range	km	16	BMS	and drive units in parallell.	10		Chouinard/teslalog.com		x
792 792 792 792 794 794 824 824	31A Battery inlet 31A PT inlet 338 Rated range 338 Typical range	km km	16 16	BMS BMS	and drive units in parallell.	10 10		Chouinard/teslalog.com scan my tesla	x	x
792 792 792 792 794 794 824 824 898	31A Pattery inlet 31A PT inlet 338 Rated range 338 Typical range 382 Energy buffer	km km kWh	16 16	BMS BMS BMS	and drive units in parallell.	10 10 10		Chouinard/teslalog.com scan my tesla WK057/Skie.net		
792 792 792 792 794 794 824 824	31A Battery inlet 31A PT inlet 338 Rated range 338 Typical range	km km	16 16	BMS BMS	and drive units in parallell.	10 10		Chouinard/teslalog.com scan my tesla WK057/Skie.net	x	x
792 792 792 792 794 794 824 824 898	31A Pattery inlet 31A PT inlet 338 Rated range 338 Typical range 382 Energy buffer	km km kWh	16 16 16	BMS BMS BMS	and drive units in parallell.	10 10 10		Chouinard/teslalog.com scan my tesla WK057/Skie.net WK057/Skie.net	x x	x x
792 792 792 792 794 794 824 824 898 898	31A PT inlet 31A PT inlet 338 Rated range 338 Typical range 382 Energy buffer 382 Expected remaining	km km kWh	16 16 16 16	BMS BMS BMS BMS	and drive units in parallell.	10 10 10 10		Chouinard/teslalog.com scan my tesla WK057/Skie.net WK057/Skie.net WK057/Skie.net	x x x	

888 332 Daleb ful pack W/M BMS	ketld	idHex na	ame	unit	numBits	Reported by	Comment	Calculated in-app	Measurement accuracy	Accuracy comment	Source	Classic Mode	I S Newer car
886 382 Usable Indirack M/m BMS Trying to estimated at the same point at SOC = 0 x 3 Needs confirmation from different case same my leafs x x x x x x x x x x	200	200 00	00			D.V.O				(nominalFullPackEnergy - buffer) * 100.0. Works on my classic S, but have not confirmed from newer cars / different			
888 342 Usebar remaining W/h											-		
Second S							, 5						
Section Sect	898	382 Us	sable remaining	kWh		BMS	Trying to estimate 0 at the same point as SOC = 0	x	-		scan my tesla	x	x
See See	904	388 He	eater L	С		BMS	Air temperature after PTC heater, left side ?		3	scaling	scan my tesla	x	x
STR SDC Charge Cycles X	904	388 He	eater R	С		BMS					scan my tesla	x	x
Second S	978	3D2 CH	harge	kWh		BMS		x	10		scan my tesla	x	x
978 302 Charge total W/H 32 BMS meaning charging * regen 10 W/K057/5kie.net x x x x y y y y y y	978	3D2 CI	harge cycles	x	32	BMS	battery gets older and worn, this number gets	x		as your battery gets older and worn, this	scan my tesla	x	x
978 302 Discharge cycles x 32 BMS Substance total rominal full pack. Meaning, as your battery gets older and writhin umber gets more inaccurate x x x x x x x x x	978	3D2 CH	harge total	kWH	32	BMS			10		WK057/Skie.net	x	x
978 302 Discharge cycles x 3.8 BMS more inaccurate x 10 worn, this number gets more inaccurate x x x x x x x x x	978	3D2 Di	ischarge	kWh		BMS	Only applies to trips, BMS measured discharge	x	10		WK057/Skie.net	x	x
978 302 Discharge total WHH 32 BMS Only applies to trips. Energy = Discharge regen x 10	079	2D2 Di	iecharaa cuclae	,	20	DMC	your battery gets older and worn, this number gets			Meaning, as your battery gets older and	ecan my toela	J	,
978 302 Energy 8Wh BMS Only applies to trips. Energy = Discharge - regen x 10 scan my tesla x x x							Total outgoing charge measured at BMS. Notice that some energy is lost between charge and			worn, this number gets more inaccurate			
978 302 Regentated 304 Regentated 302 Regentated 302 Regentated 302 Regentated 302 Regentated 303 Regentated 304 Regentated 304 Regentated 304 Regentated 306 Regentated 306 Regentated 307 Regentated 308 Regentated	978	3D2 Er	nergy	kWh		BMS	Only applies to trips. Energy = Discharge - regen	x	10		scan my tesla	x	x
1016 3F8 Floor vent L C 16 HVAC 10 Location and scaling confirmed with Fluke scan my tesla x x	978	3D2 Re	egen total	kWH	32	BMS	Only accurate on newer cars	x			scan my tesla	inaccurate	x
1016 3F8 Floor vent R	978	3D2 Re	egenerated	kWh		BMS	Energy regenerated during trip	x	10		scan my tesla	×	x
1016 3F8 Mid vent L C 16 HVAC 10 Location and scaling confirmed with Fluke scan my tesla x x	1016	3F8 Fi	oor vent L	С	16	HVAC			10	Location and scaling confirmed with Fluke	scan my tesla	x	x
1016 3F8 Mid vent R C 16 HVAC	1016	3F8 FI	oor vent R	С	16	HVAC			10	Location and scaling confirmed with Fluke	scan my tesla	x	x
1016 3F8 Mid vent R C 16 HVAC	1016	3F8 Mi	id vent L	С	16	HVAC				•		×	x
This was originally an area Teathey Odometer, but has been confirmed that it does not change when 10 WK057/Skle.net x x	1016	3F8 Mi	id vent R	C	16	HVAC				•		×	×
1778 6F2 Cell 1.32 temp zCC BMS belong to which my questions) 10 Jack Rickardlevtv.me x x x							has been confirmed that it does not change when						
1778 6F2 Cell 1.96 voltage 2VC BMS 75's have the last cell giving an invalid value 10 Jack Rickardfevtv.me x x x x x x x x x	1778	6F2 Ce	ell 132 temp	zCC		BMS	corresponding, but the BMS tab shows which		10		Jack Rickard/evtv.me	x	x
1778 6F2 Cell avg Vc x 10 scan my tesla x x 1778 6F2 Cell max Vc x 10 scan my tesla x x 1778 6F2 Cell max Vc x 10 scan my tesla x x 1778 6F2 Cell min Vc x 10 scan my tesla x x	1778	6F2 Ce	ell 196 voltage	zVC		BMS	'brick', it is a group of cells connected in parallell. 60 and 70-75 cars have fewer cells, and the newer		10		Jack Rickard/evtv.me	x	x
1778 6F2 Cell diff Vcd x 10 scan my tesla x x 1778 6F2 Cell mix Vc x 10 scan my tesla x x 1778 6F2 Cell mix Vc x 10 scan my tesla x x	1778	6F2 Ce	ell avg	Vc				x	10			x	x
1778 6F2 Cell max Vc x 10 scan my tesla x x 1778 6F2 Cell min Vc x 10 scan my tesla x x			-										
1778 6F2 Cell min Vc x 10 scan mý tesla x x													
											-		
1778 6F2 Cell temp diff Cd x 10 scan my tesla x x													
1778 6F2 Cell temp min c x 10 scan my tesla x	1778	6F2 Ce	ell temp min	c				x	10		scan my tesla	x	

name	unit	Calculated in-app	Accuracy, comments						
Battery voltage	V								
Battery current	Α								
Series/Parallel	%								
Battery power	kW	x							
Radiator fan target	rpm								
Five way valve angle	Degrees								
F power	kW								
Radiator bypass	%								
R power	kW								
F torque	Nm		Motor torque						
R torque	Nm		Motor torque						
F torque 186	Nm		This is believed to be axle torque						
Front oil flow	Ipm		This is some to a security and to the security and the se						
F RPM	rpm								
Rear oil flow									
R torque 108	lpm		This is believed to be said to see						
	Nm		This is believed to be axle torque						
R RPM	rpm								
Max discharge power	kW								
Max regen power	kW								
Max pack voltage	V								
Min pack voltage	V								
Max discharge current	Α								
Max charge current	kW								
Max charge power	kW	x	Calculated from max Charge Current * battery voltage						
Steering Angle	Degrees								
Steering Speed	Deg/sec								
Accelerator Pedal	%								
Brake Pedal	0/1								
Accuracy		x	Estimated accuracy of Speed signal, for timing						
Consumption		x	Real-time consumption						
		^	тоа-ине оонзитирион						
DC Charge total	kWh								
AC Charge total	kWh								
DC Charge		x	Counter since trip reset						
AC Charge		х	Counter since trip reset						
Regen total	kWh								
Drive total	kWh								
Regenerated	kWh	х	Counter since trip reset						
Energy	kWh	x	Energy consumed while driving (while car is on)						
Regen %	%	x							
Odometer	km								
Distance	km	x	Counter since trip reset						
Avg consumption	wh/km	x	Since trip reset						
Nominal full pack	kWh		·						
Nominal remaining	kWh								
Expected remaining	kWh								
Ideal remaining	kWh								
To charge complete	kWh								
Energy buffer	kWh								
SOC		v	Calculated from buffer, nominal fullpack and nominal remaining						
		x x							
SOC expected SOC UI		X	Calculated from buffer, nominal fullpack and expected remaining	. Some say mis n	natories better wit	en the battery is c	olu allu tile displa	y snows an ice cr	ystai
	%		Legacy. Reported by the car, but their purpose is debated						
SOC Min	%		Legacy. Reported by the car, but their purpose is debated						
SOC Max	%		Legacy. Reported by the car, but their purpose is debated						
SOC Avg	%		Legacy. Reported by the car, but their purpose is debated						
Battery flow	lpm		Flow of battery coolant						
Powertrain flow	Ipm		Flow of powertrain coolant						
Front oil temp	C		Oil temperature OR oil pump temperature of front drive unit						
Rear oil temp	С		Oil temperature OR oil pump temperature of rear drive unit						
F Inverter PCB temp	С								
F Inverter temp	С								
F Stator temp	С								
F heatsink temp	С		Inverter FET heatsink?						
	С								
R Inverter temp	С								
R Stator temp	С								
R heatsink temp	С		Inverter FET heatsink?						
Cell temp max	С								
Cell temp mid		x	Avg of max and min						
Cell temp min	С	^	, ag o, max and min						
	V								
Cell volt max		v	Avg of may and min						
Cell volt mid		х	Avg of max and min						
Cell volt min	V		0.111/6/11/11						
		x	Cell Volt Max - Cell Volt min						
Battery min temp	С		Reported by car, but it's not cell voltage, sensor location unknow	'n					
Battery inlet	С		Coolant temperature at battery inlet						
Powertrain inlet	С		Coolant temperature towards motors/inverters						
Outside temp	С								
Outside temp filtered	С								
	С								
Target PT Passive	С								
	С								
Target bat Passive	С								
Target hat ActiveHeat	C								
Target bat ActiveHeat									
Target bat ActiveHeat Charge total Discharge total	C kWh kWh								

Discharge cycles	x	x	Discharge total / Nominal Full Pack			
Charge cycles	x	x	Charge total / Nominal Full Pack			
Discharge	kWh	x	Counter since trip start			
Charge	kWh	x	Counter since trip start			
Stationary	kWh	x	Counter since trip start			
Blower speed target	rpm					
Evap enabled	1/0					
Evap temp	С					
Evap target	С					
12v battery volt	V					
12v battery current	Α					
12v battery Amp hours	Ah					
12v battery temp	С					
FL brake est	С					
FR brake est	С					
RL brake est	С					
RR brake est	С					
Speed	km/h					
Packets per second	V	x				