

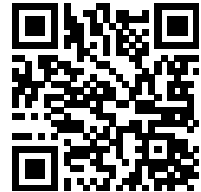
Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2013 with regard to energy labelling of electronic displays

	Parameter		Parameter or value and precision			Unit
1.	Supplier's name or trademark.		Samsung			
	Supplier's address.		Public Contact, Samsung PO Box 12987 Blackrock Co.Dublin Ireland			
2.	Model identifier		QE50QN90FAT			
3.	Energy Efficiency Class for Standard Dynamic Range (SDR)		F			
4.	On mode power demand in SDR		60,0			W
5.	Energy Efficiency Class for High Dynamic Range (HDR)		G			
6.	On mode power demand in HDR, if implemented		124			W
7.	Off mode, power demand, if applicable		n.a.			W
8.	Standby mode power demand, if applicable		0,5			W
9.	Networked standby mode power demand, if applicable		2,0			W
10.	Electronic display category		Television			
11.	Size ratio		16	:	9	
12.	Screen resolution		3 840	x	2 160	pixels
13.	Screen diagonal		125,0			cm
14.	Screen diagonal		50			inches
15.	Visible screen area		67,5			dm²
16.	Panel technology used		QLED LCD			
17.	Automatic Brightness Control (ABC) available		Yes			
18.	Voice recognition sensor available		No			
19.	Room presence sensor available		No			
20.	Image refresh frequency rate (default)		165			Hz
21.	Minimum guaranteed availability of software and firmware updates (from the date of end of the placement on the market)		8			Years
22.	Minimum guaranteed availability of spare parts (from the date of end of the placement on the market)		7			Years
23.	Minimum guaranteed product support		7			Years
	Minimum duration of the general guarantee offered by the supplier		2			Years
24.	Power supply type		Internal			
25.	External power supply (non standardized and included in the product box)					
	i	-				
	ii	Input voltage	-			V

	<i>iii</i>	Output voltage	-	V
26.	External standardised power supply (or suitable one if not included in the product box)			
	<i>i</i>	-		
	<i>ii</i>	Required output voltage	-	V
	<i>iii</i>	Required delivered current (minimum)	-	A
	<i>iv</i>	Required current frequency	-	Hz

Model placed on the Union market from 14/04/2025



EPREL registration number: 2205036

<https://eprel.ec.europa.eu/qr/2205036>

Supplier: SAMSUNG ELECTRONICS (UK) LIMITED (Manufacturer)

Website:

Customer care service:

Name: Public Contact

Website:

Email: eprel@samsung.com

Phone: n/a

Address:

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