

65 Inch LG OLED evo AI G6 4K Smart TV 2026

OLED65G6PSB

- Features
- Specs
- Reviews
- Support
- Where to buy

- Hyper Radiant Colour Tech, a next-gen OLED technology that enhances picture quality to a new level.
- Brightness Booster Ultra with alpha 11 AI Processor Gen3 - The power behind LG's brightest 4K OLED TVs.
- Perfect Black & True Colour with Certified Reflection Free Premium for deep contrast and accurate colour, even in bright rooms.^

 Free Delivery Shipment start date will be from 6 Apr 2026 in order

This product is currently on Preorder.



All Spec

PICTURE (DISPLAY)

Display Type	Display Resolution	Refresh Rate
4K OLED	4K Ultra HD (3,840 x 2,160)	120Hz Native (VRR 165Hz)

PICTURE (PROCESSING)

Picture Processor	AI Upscaling	Dynamic Tone Mapping	AI Genre Selection
α11 AI Processor 4K Gen3	α11 AI Super Upscaling 4K	Yes (Dynamic Tone Mapping Ultra)	Yes (SDR/HDR)
HDR (High Dynamic Range)	FILMMAKER MODE™	Dimming Technology	Motion
Dolby Vision / HDR10 / HLG	Yes	Pixel Dimming	OLED Motion
Picture Mode	HFR (High Frame Rate)	AI Picture Pro	Auto Calibration
9 modes	4K 120 fps (HDMI, USB)	Yes	Yes
QFT (Quick Frame Transport)	QMS (Quick Media Switching)		
Yes	Yes		

GAMING

G-Sync Compatible (Nvidia)	FreeSync Compatible (AMD)	HGIG Mode	Game Optimiser
Yes	Yes	Yes	Yes (Game Dashboard)
ALLM (Auto Low Latency Mode)	VRR (Variable Refresh Rate)	Dolby Vision for Gaming (4K 120Hz)	Response Time
Yes	Yes (Up to 165Hz)	Yes	Less than 0.1ms

ACCESSIBILITY

High Contrast	Grey Scale	Invert Colours
Yes	Yes	Yes

DIMENSIONS AND WEIGHTS

TV Dimensions without Stand (WxHxD, mm)	TV Dimensions with Stand (WxHxD, mm)	Packaging Dimensions (WxHxD, mm)	TV Stand (WxD, mm)
1441 x 826 x 243	1441 x 865/910 x 263	1600 x 970 x 172	485 x 263
FeaturesSpecsReviewsSupportWhere to buy			
22	27.3	34.1	300 x 300

BAR CODE

BAR CODE
8806096690345

AUDIO

Dolby Atmos Yes	AI Sound α11 AI Sound Pro (Virtual 11.1.2 Up-mix)	Clear Voice Pro Yes (AI Object Remastering Ultra)	LG Sound Sync Yes
Sound Mode Share Yes	Simultaneous Audio Output Yes	Audio Output 60W	Audio Codec AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, apt-X (Refer to manual)
Speaker Direction Down Firing	Speaker System 4.2 Channel	WOW Orchestra Yes	

CONNECTIVITY

HDMI Audio Return Channel eARC (HDMI 2)	Bluetooth Support Yes (v 5.3)	Ethernet Input 1ea	Simplink (HDMI CEC) Yes
SPDIF (Optical Digital Audio Out) 1ea	HDMI Input 4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS, QFT)	RF Input (Antenna/Cable) 2ea	USB Input 3ea (v 2.0)
Wi-Fi Yes (Wi-Fi 6)			

SMART TV

Operating System (OS) webOS 26	USB Camera Compatible Yes	AI Chatbot Yes	Always Ready Yes
Full Web Browser Yes	Google Cast Yes	Hands-free Voice Control Yes	Home Hub Yes (Google Home, LG ThinQ)
Intelligent Voice Recognition Yes	LG Channels Yes	Multi View Yes	Smartphone Remote App Yes (LG ThinQ)
Works with Apple Airplay Yes	Works with Apple Home Yes		

POWER

Power Supply (Voltage, Hz) AC 100~240V 50-60Hz	Standby Power Consumption Under 0.5W
---	---

REGULATORY

Energy Star Rating 5.5	Warranty Period 1 Year Parts and Labor (including Panel) + 4 Years Panel Replacement (Parts Only)
---------------------------	--

ACCESSORIES INCLUDED

- Features
- Specs
- Reviews
- Support
- Where to buy

BROADCASTING

Analog TV Reception	Digital TV Reception
Yes	DVB-T2/T (Terrestrial), DVB-C (Cable)

CYBER SECURITY

Security Update

This product will receive security updates until 31 December 2030. For details on how to report security issues, visit <https://lgsecurity.lge.com>.

COMPLIANCE INFORMATION

 [Australia Cyber Security SoC\(OLED65G6PSB\)](#) 

MORE COMPLIANCE INFORMATION >

• The safety information for accessories is included with the safety information for the product and is not provided separately.