

NGE12/18 Series:

12W/18W Global Certified AC Interchangeable Wall Mount Green Adaptor

Product Strategy Center / Frank Chen

MEAN WELL GE/GEM/GS/GSM/SGA/SGAS series of wall-mounted energy-saving adaptors and other products have been well-received in the market due to their high quality and long lifespan. Since their launch, the cumulative sales have exceeded millions of units, widely used in industries such as information and communication, security, medical and others. In order to meet the demands for lightweight and portable design, a wider operating temperature range, multi-field applications in one model and global compatibility; MEAN WELL proudly introduces the new generation of wall-mounted interchangeable AC adaptor with global certifications - **the NGE series**. The initial release includes the 12W/18W NGE12/18 series, and we are soon to launch higher wattage models ranging from 30W to 90W in the NGE30/45/65/90 series. Stay tuned for our upcoming product announcements!

Compared to the series of 5~18W GE/GEM/GS/GSM/SGA/SGAS that has been on the market for years, the NGE12/18 has a significant distinction. The main difference lies in its simultaneous compliance with various safety standards such as 62368-1/60601-1/61558-1/60335-1, as well as additional certifications of CCC/ BSMI/ PSE. With the slim (28mm) profile design, it prevents occupying adjacent outlets, and its wide temperature range of -30 to +70°C makes it suitable for use in various countries or installations with less spatial constraints. The overall design complies with 2xMOPP and is applicable to medical BF class...etc. (details are listed in the table below). This product is a high-quality, long-life, and fully certified wall-mounted green adaptor, ideal for a variety of consumer electronics, travel devices, or any electronic products that require international compatibility with interchangeable AC plugs.

* The NGE12/18 series can replace the old-generation models in this table.

It is strongly recommended to consider adopting the NGE12/18 series for the new project

Series	Old Generation				New Generation
	GS05/06 SGAS06/15 SGA12	GSM06/12	GEM06/12/18	GE12/18	NGE12/18
AC Plug	Fixed: EU, US		Interchangeable: EU, US, UK, AU		Fixed: EU, US Interchangeable: EU, US, UK, AU, CN
Surface Width	27.4~42.1mm	27.4~39mm		40~43mm	28mm (Slim surface width can avoid occupying adjacent sockets)
Input Voltage	90~264VAC	80~264VAC		90~264VAC	80~264VAC
Operating Temperature	-20~+60℃	-20~+70℃		-10~+50℃	-30~+70℃
Leakage Current	< 250 μA	6W: < 55 μA 12~18W: <100 μA		< 250 μA	< 100 μA
Insulation Protection	N.A	2 x MOPP		NA	2 x MOPP
Certificates	CB/ TUV/ UL/ EAC/ CE/ UKCA/ FCC	TUV/ UL/ EAC/ CE / UKCA/ FCC		TUV/ UL/ RCM/ CCC/ EAC/ CE/ UKCA/ FCC	CB/ DEKRA/ UL/ PSE/ BSMI/ RCM/ CCC/ EAC/ CE/ UKCA/ FCC
	62368-1	60601-1/-11		62368-1	62368-1 + 60601-1/-11 + 61558-1/-2-16 + 60335-1
Warranty	3 years			2 years	3 years

Features

- MEAN WELL China Exterior Design Patent Number: 202330347779.4
- Interchangeable AC plugs (EU, US, UK, AU, CN)
- Complies with multiple international certifications in various fields (ITE, Medical, Industrial, Household)
- Input range of 80~264Vac, no-load standby power <0.075W
- Complies with Level VI international energy efficiency standards (EISA 2007/DoE, NRCan, MEPS, ErP, and CoC Version 5)
- Extremely low leakage current <100μA, complies with 2xMOPP, suitable for BF medical applications
- Wide operating temperature range of -30~+70°C
- Protections: Short Circuit, Overload, Overvoltage
- Complies with LPS (Limited Power Source) requirements
- Utilizes 94V-0 high flame-retardant plastic housing for safety and reliability
- Various DC plugs available (Accessories sold separately)
- 3 years warranty

Applications



Order information

