



About US

XGW Technology, founded in 2009, is specialized on R&D, production and sales of medium&high-Power, including LED Driver, switch power supply, Type C adapter etc.

Besides the standard range we are open to any kind of customized and be spoke solution for our valued customers.

15 years experience of developing and manufacturing in high-power supply and smart products, developed series of technology and product platforms, capable of providing professional service to customers effectively.

Engineers are full of experiences more for LED Driver, came from Emerson, Philips, Delta. Have got dozens of patents for power supply and software.

XGW products have been success fully applied around the world, mainly in Asia-Pacific, North America, South America and other regions, have serviced customers like Osram, Eaton, etc... Thus the team have a deep know-how about the application interms of consumer electronics, industrial electronics, such as 3D printer, which allow them to support customers more effectively.



Consumer Electronics

Type C Adapter

Switch power supply



Industrial

· Industrial Automation

· Building Automation



LED Lighting

Indoor led driver

Outdoor led driver
Emergency led driver

XGW Reliability Lab



Corner of the Reliability Lab



DQ Test Platform



Surge Tester



RoHS Tester

XGW Reliability Lab



Salt Mist Tester



EMI Test Machine



Life Tester



Flammability Tester

XGW Manufacturing



Product Overview

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Type C wall mount adapter

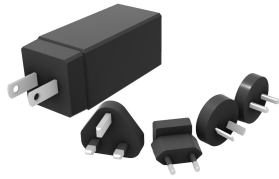
- Wide compatibility
- High immunity to touch noise
- Compliance with CoC TIER2 for high quality
- Supports 2 times peak load



Item	Features	XPD-30WES/30WEE/ 30WEU	XPD-45WE	XPD-65WE
AC Port	Type	US/EU/UK	EU	
	Operating Temperature	0-35℃	0-35℃	0-40℃
Output Dimensions	Output Connector	1 type C connector	Type C	
	Efficiency Standard	DOE Level VCoC TIER2	DOE Level VCoC TIER2	
Input	Input Voltage Range	90-264V	90-264V	
	Average Efficiency	5V ≥ 81.84% 9V ≥ 87.30% 12V ≥ 87.69% 15V ≥ 87.69% 20V ≥ 87.69%	5V ≥ 81.84% 9V ≥ 87.30% 15V ≥ 88.85% 20V ≥ 88.85%	5V ≥ 81.84% 9V ≥ 87.30% 15V ≥ 88.85% 20V ≥ 89.00%
	No Load Power Consumption	<0.075W	<0.075W	<0.15W
Output	Output Power	30W	45W	65W
	Output Voltage(±5%)	5V/9V/12V/15V/20V	5V/9V/15V/20V	
	Output Current(max.)	3A@5V/9V 2.5A @12V 2A @15V 1.5A @20V	3A@5V/9V/15V 2.25A@20V	3A@5V/9V/15V 3.25A@20V
	Ripple and Noise	<300mV	<300mV	
	Peak Load	>17.8V @150%,load,2ms>17.8V @200%,load,1ms	>17.8V @200%load,2ms	
Performance	Cap Life	>13140hrs @25℃,100VAc	>13140hrs @25℃,100VAc	
	Case Temperature Rise	<45℃@35℃,100VAc	<40℃@40℃,100VAc	
	Acoustic Noise(keep 10cm)	<30 dB	<25dB	
Safety	Leakage Current(@240VAc)	<100uA	<20uA	
	Protection Type(OCP/OVP/SCP)	OCP/SCP:Auto-RecoveryOVP:Latch-off	Latch-off	
	Standard	IEC/CE/PSE/BSMI/PSB/UKCA/EN 62368-1	IEC/CE/EN 62368-1/PSB	

Product specifications are subject to change without further notice

Type C Changeable Inlet adapter



- Wide compatibility
- High immunity to touch noise
- Excellent leakage current performance
- Compliance with CoC TIER2 for high quality
- Supports 2 times peak load
- Travel kit with changeable duckhead



Category	Item	XPD-65WT
AC Port	Type	US / EU / UK / AU / IN
Output Dimensions	L x W x H (mm)	30.4 x 30.4 x 60
	Operating Temperature	0 - 35 °C
	Weight	210 g ±2.5%
	Output Connector	1 type C connector
	Efficiency Standard	DOE Level VI CoC TIER2
Input	Input Voltage Range	90 - 264 V
	Average Efficiency	5V ≥ 81.84% 9V ≥ 87.30% 15V ≥ 88.85% 20V ≥ 89.00%
	No Load Power Consumption	<0.15 W
Output	Output Power	65 W
	Output Voltage (±5%)	5 V / 9 V / 15 V / 20 V
	Output Current (max.)	3 A @ 5 V / 9 V / 15 V 3.25 A @ 20 V
	Ripple and Noise	<370 mV
	Peak Load	>17.8 V @200%,load ,0.5 ms >17.8 V @225%,load ,250 us
Performance	Cap Life	>13140 hrs @25 °C,100 V _{AC}
	Case Temperature Rise	<45 °C @25 °C,100 V _{AC}
	Acoustic Noise (keep 10 cm)	<25 dB
Safety	Leakage Current (@240 V _{AC})	<50 uA
	Protection Type (OCP/OVP/SCP)	Latch-off
	Standard	CE/PSE/BSMI/PSB/UKCA/EN 62368-1

Type C socket adapter



- Wide compatibility
- High immunity to touch noise
- Excellent leakage current performance



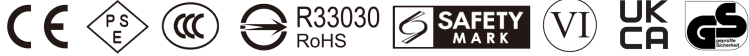
Item	Features	XPD-45WB	XPD-65WB	XPD-100WB	XPD-140WB
AC Port	Type	C6		C6	
General	Captive DC Cable Length (m)	1.5		1.5	1.6
	Operating Temperature	0-35 °C		0-35 °C	
	Output Connector	Type C		Type C	
	Efficiency Standard	DOE Level VICoC TIER2		DOE Level VICoC TIER2	
Input	Input Voltage Range	90-264V		90-264V	
	Average Efficiency	5V ≥ 81.84% 9V ≥ 87.30% 12V ≥ 88.30% 15V ≥ 88.85% 20V ≥ 88.85%	5V ≥ 81.84% 9V ≥ 87.30% 12V ≥ 88.30% 15V ≥ 88.85% 20V ≥ 89.00%	5V ≥ 82.39% 9V ≥ 87.62% 12V ≥ 88.40% 15V ≥ 88.85% 20V ≥ 89.00%	5V ≥ 82.39% 9V ≥ 87.62% 15V ≥ 89.00% 20V ≥ 89.00% 28V ≥ 89.00%
	No Load Power Consumption	<0.075W	<0.15W	<0.15W	
Output	Output Power	45W	65W	100W	140W
	Output Voltage(±5%)	5V/9V/12V/15V/20V		5V/9V/12V/15V/20V	5V/9V/15V/20V/28V
	Output Current(max.)	3A@5V/9V/12V/15V 2.25 A@20V	3A@5V/9V/12V/15V 3.25 A@20V	3A@5V/9V/12V/15V 5A@20V	3A@5V/9V 5A@15V/20V/28V
	Ripple and Noise	<300mV		<350mV	<380mV
	Peak Load	>17V @180%load,2ms		>17V @180%load 2ms	20V:>18V@200%load, 1ms(with 100uF) 28V:>25.2V@200%load, 1ms(with 100uF)
Performance	Cap Life	>8,760hrs @25 °C, 115V _{AC}		>8760hrs@25° 115V _{AC}	>26280hrs @25 °C, 100V _{AC}
	Case Temperature Rise	TOP<45 °C @25 °C, 100 V _{AC} BOT<50 °C @25 °C, 100 V _{AC}		TOP<45 °C @25 °C, 100V _{AC} BOT<50 °C @ 25 °C, 100V _{AC}	TOP<50 °C @25 °C, 100V _{AC} BOT<55 °C @25 °C, 100V _{AC}
	Acoustic Noise (keep 10cm)	<25dB	<30dB	<25dB	
Safety	Leakage Current(@ 240V _{AC})	<50uA		<50uA	<100 uA
	Protection Type(OCP/OVP/SCP)	Latch-off		Latch-off	
	Standard	CE/PSE/PSB/UKCA/EN 62368-1		CE/PSE/PSB/UKCA/EN62368-1	

Product specifications are subject to change without further notice

Type C socket adapter



- Wide compatibility
- High immunity to touch noise
- Excellent leakage current performance



Category	Item	XPD-240WB
AC Port	Type	C6
General	DC Cable Length (m)	1.8
	Operating Temperature	0 - 35 °C
	Weight	560g ±10%
	Efficiency Standard	DOE Level VI
Input	Input Voltage Range	90 - 264 V
	Average Efficiency	5V ≥ 81.39% 9V ≥ 86.62% 15V ≥ 87.73% 20V, 28V, 36V, 48V ≥ 88%
	No Load Power Consumption	<0.2 W
Output	Output Power	240 W
	Output Voltage (±5%)	5 V / 9 V / 15 V / 20 V / 28 V / 36 V / 48 V
	Output Current (max.)	3 A @ 5 V / 9 V / 15 V 5 A @ 20 V / 28 V / 36 V / 48 V
	Ripple and Noise	<600 mV
	Peak Load	48 V: >43.4 V @150% load, 1 ms @125% load, 2 ms @110% load ,10 ms
Performance	Cap Life	>8760 hrs @25 °C, 115 V _{AC}
	Case Temperature Rise	TOP <60 °C @35 °C, 90 V _{AC} TOP <60 °C @35 °C, 90 V _{AC}
	Acoustic Noise (keep 10 cm)	<25 dB
Safety	Leakage Current (@240 V _{AC})	<50 uA
	Protection Type (OCP/OVP/SCP)	Latch-off
	Standard	CE/PSE/PSB/UKCA/EN 62368-1



POE Adapter

- Wide compatibility
- High immunity to touch noise
- Compliance with CoC TIER2 for high quality
- Protocol: IEEE 802.3af/PoE



Item	Features	XPCE-18WM	XPCE-65	XPCE-100
Protocol		IEEE 802.3af/PoE		IEEE 802.3af/PoE+protocol
General	Captive DC Cable Length(m)	1.5m	1.5m	
	Operating Temperature	0-40 °C	0~45 °C	0~45 °C
	Efficiency Standard	DOE Level ViCoC TIER2		
Input	Input Voltage Range	90-264V		
	Average Efficiency	85%	85%	85%
	No Load PowerConsumption	<0.075W		
Output	Output Power	18W	65W	100W
	Output Voltage(±5%)	48V	54V	54V
	Output Current(max.)	0.375A	0.56A	1.86A
	Ripple and Noise	<350mV		
Network	Speeds	100M	2.5G compatible with 5G	10Mbps/100Mbps/1G
	lightning strike	2KV	6KV	4KV
Performance	Cap Life	>13,140hrs @25 °C, 100VAc		
	Case TemperatureRise	TOP<45 °C @25 °C, 100VAcBOT<50 °C @25 °C, 100VAc		
	Acoustic Noise (keep 10cm)	<25dB		<30 dB
Safety	Leakage Current(@240VAc)	<100uA		
	Protection Type(OCP/OVP/SCP)	Latch-off		
	Standard	CE/PSE/PSB/UKCA/EN 62368-1		

- Wide compatibility
- High immunity to touch noise
- Compliance with CoC TIER2 for high quality
- Supports 2 times peak load



Item	Features	XTS-12WM		XTS-10WM				XTS-24WM				XTS-36WM			
AC Port	Type	C6						C14				C14			
General	Captive DC Cable Length (m)	1.8													
	Operating Temperature	0-40℃		0-35℃				0-35℃				0-35℃			
	Output Connector	φ5.5													
	Efficiency Standard	DOE Level ViCoC TIER2													
Input	Input Voltage Range	90-264V													
	Average Efficiency	>89%													
	No Load PowerConsumption	<0.075W													
Output	Output Power	12W		18W				24W				36W			
	Output Voltage(±5%)	12V	24V	12V	18V	24V	48V	12V	18V	24V	48V	12V	24V	48V	
	Output Current(max.)	1A	0.5A	1.5A	1A	7.5A	3.75A	2A	1.33A	1A	0.5A	3A	1.5A	0.75A	
	Ripple and Noise	<350mV						<380mV				<380mV			
Performance	Cap Life	>13,140hrs @25℃,100VAc													
	Case TemperatureRise	TOP<45℃@25℃,100VAcBOT<50℃@25℃,100VAc													
	Acoustic Noise (keep 10cm)	<25dB						<30 dB				<30 dB			
Safety	Leakage Current(@ 240VAc)	<100uA													
	Protection Type(OCP/ OVP/SCP)	Latch-off													
	Standard	CE/PSE/PSB/UKCA/EN 62368-1													

Product specifications are subject to change without further notice

- Wide compatibility
- High immunity to touch noise



SAFETY
MARK



Category	Item	XPD-45WH				XPD-65WH				XPD-90WH				XPD-120WH			
AC Port	Type	C6															
General	Captive DC Cable Length(m)	1.5															
	Operating Temperature	0-35℃												0-40℃			
	Output Connector	φ3.0				φ3.0				φ5.5							
	Efficiency Standard	DOE Level ViCoC TIER2															
Input	Input Voltage Range	90-264V															
	Average Efficiency	>88.85%				>89%				>88%@115VAc>89%@230VAc				>89%			
	No Load PowerConsumption	<0.075W				<0.15W				<0.21W				<0.15W			
Output	Output Power	45W				65W				90W				120W			
	Output Voltage(±5%)	12V	18V	24V	48V	12V	24V	48V	12V	19V	24V	48V	12V	20V	24V	48V	
	Output Current(max.)	3.75A	2.5A	1.875A	0.938A	5.42A	2.7A	1.35A	6.67A	4.74A	3.75A	1.87A	10A	6A	5A	2.5A	
	Ripple and Noise	<380mV												<350mV			
Performance	Cap Life	>8,760hrs @25℃, 115VAc								>13,140hrs @25℃, 100VAc				>26,280hrs @25℃, 100VAc			
	Case TemperatureRise	TOP<45℃ @25°℃, 100VAc BOT<50℃, @25°℃, 100VAc								TOP<45℃, @35℃, 100VAc				TOP<45℃ @25°℃, 100VAc BOT<50℃ @25°℃, 100VAc			
	Acoustic Noise(keep 10cm)	<25dB												<30 dB			
Safety	Leakage Current(@ 240VAc)	<50uA								<40A				<100uA			
	Protection Type(OCP/ OVP/SCP)	Latch-off															
	Standard	CE/PSE/PSB/UKCA/EN 62368-1															

CE/PSE/PSB/UKCA/EN 62368-1

Universal adapter



- Wide compatibility
- High immunity to touch noise



Item	Features	XPD-150WH				XPD-180WH				XPD-230WH				XPD-280WH			
AC Port	Type	C6								C14				C14			
General	Captive DC Cable Length(m)	1.8															
	Operating Temperature	0-40℃				0-35℃				0-35℃				0-35℃			
	Output Connector	φ5.5															
	Efficiency Standard	DOE Level ViCoC TIER2															
Input	Input Voltage Range	90-264V															
	Average Efficiency	>89%															
	No Load PowerConsumption	<0.15W															
Output	Output Power	150W				180W				230W				280W			
	Output Voltage(±5 %)	12V	20V	24V	48V	12V	20V	24V	48V	12V	20V	24V	48V	12V	20V	24V	48V
	Output Current (max.)	12.5A	7.5A	6.25A	48A	15A	9A	7.5A	3.75A	19.16A	11.5A	9.58A	4.79A	21A	13A	11.67A	5.84A
	Ripple and Noise	<350mV								<380mV				<380mV			
Performance	Cap Life	>43,800hrs @25℃ , 100VAc,50%load				>13,140hrs @25℃ , 100VAc				>8,760hrs @25℃ ,115VAc				>8,760hrs @25℃ , 115VAc			
	Case TemperatureRise	TOP<45℃ @25℃ , 100VAcBOT<50℃ @25℃ , 100VAc															
	Acoustic Noise (keep 10cm)	<25dB								<30 dB				<30 dB			
	Leakage Current (@240VAc)	<100uA															
Safety	Protection Type (OCP/OVP/SCP)	Latch-off															
	Standard	CE/PSE/PSB/UKCA/EN 62368-1															

Industrial Enclosed Power supply



AC input voltage range selectable by switch

No load power consumption < 0.3 W

Low profile design : 30 mm height

No PFC

OVC III, Pollution Degree 3

Conforms to harmonic current IEC/EN 61000-3-2, Class A

Compliance with SEMI-F47



Model Name	Output Power	Phase	1	PFC	OutputVoltage	Output Current	Efficiency	Input Voltage Range*
XMT-075W-05	75W	√	✕	5V	14A	87%	85-264VAc	
XMT-075W-12				12V	6A	88%		
XMT-075W-24				24V	3.2A	90%		
XMT-075W-48				48V	1.6A	91.5%		
XMT-100W-05	100W	√	✕	5V	14A	87%	90~132VAC/180~264VAC (by switch)	
XMT-100W-12				12V	6A	88%		
XMT-100W-24				24V	3.2A	90%		
XMT-100W-48				48V	1.6A	91.50%		
XMT-150W-05	150W	√	✕	5V	22A	87%	90~132VAC/180~264VAC (by switch)	
XMT-150W-12				12V	12.5A	87.5%		
XMT-150W-24				24V	6.25A	90%		
XMT-150W-48				48V	3.3A	91%		
XMT-250W-05	250W	√	✕	5V	40A	87%	90~132VAC/180~264VAC (by switch)	
XMT-250W-12				12V	21A	87%		
XMT-250W-24				24V	10.5A	89%		
XMT-250W-48				48V	5.3A	91%		
XMT-350W-05	350W	√	✕	5V	60A	83.5%	90~132VAC/180~264VAC (by switch)	
XMT-350W-12				12V	29A	87.5%		
XMT-350W-24				24V	14.6A	87.5%		
XMT-350W-48				48V	7.3A	89%		
XMT-450W-05	450W	√	✕	5V	70A	86%	90~132VAC/180~264VAC (by switch)	
XMT-450W-12				12V	37.5A	87%		
XMT-450W-24				24V	18.8A	87%		
XMT-450W-48				48V	9.4A	88%		
XMT-600W-24	600W	√	✕	24V	25A	87%	90~132VAC/180~264VAC (by switch)	
XMT-600W-48				48V	12.5A	88%		
XMT-1000W-24	1000W	√	✕	24V	41.6A	90%	90~132VAC/180~264VAC (by switch)	
XMT-1000W-48				48V	20.8A	91.00%		



Industrial Enclosed Power supply



- Panel Mount
- Universal AC input voltage range
- No load power consumption < 0.3 W
- Low profile design : 30 mm height
- High efficiency/High PFC
- OVC III, Pollution Degree 3
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Compliance with SEMI-F47



Model Name	Output Power	Phase	1	PFC	OutputVoltage	Output Current	Efficiency	Input Voltage Range*
XDR-075W-12	75W	✓	✓	✓	12V	6A	88%	90~264VAC
XMP-075W-24					24V	3.2A	90%	
XMP-075W-48					48V	1.6A	91.5%	
XMP-100W-12	100W	✓	✓	✓	12V	6A	88%	90~264VAC
XMP-100W-24					24V	3.2A	90%	
XMP-100W-48					48V	1.6A	91.50%	
XMP-150W-12	150W	✓	✓	✓	12V	12.5A	87.5%	90~264VAC
XMP-150W-24					24V	6.25A	90%	
XMP-150W-48					48V	3.3A	91%	
XMP-250W-12	250W	✓	✓	✓	12V	21A	89%	90~264VAC
XMP-250W-24					24V	10.5A	90%	
XMP-250W-48					48V	5.3A	90%	
XMP-350W-12	350W	✓	✓	✓	12V	29A	94%	90~264VAC
XMT-350W-24					24V	14.6A	94%	
XMP-350W-48					48V	7.3A	94%	
XMP-500W-12	500W	✓	✓	✓	12V	40A	92%	90~264VAC
XMP-500W-24					24V	22A	92%	
XMP-500W-48					48V	11A	92%	
XMP-750W-12	750W	✓	✓	✓	12V	50A	92%	90~264VAC
XMP-750W-24					24V	31.3A	93%	
XMP-750W-48					48V	15.7A	94%	
XMP-1000W-12	1000W	✓	✓	✓	12V	80A	93%	90~264VAC
XMP-1000W-24					24V	42A	94%	
XMP-1000W-48					48V	21A	94.0%	



DIN Rail Power supply



- Plastic house
- Class II, Double Isolation (No Earth connection is required)
- Mechanical dimensions designed to meet DIN 43880 for building automation
- Low no load power consumption and compliance with DOE VI efficiency standard
- NEC Class 2 / Limited Power Source (LPS) certified
- Over Voltage Category III



Model Name	Output Power	PFC	OutputVoltage	OutputCurrent	Efficiency	Input Voltage Range*
XDR-20-5	20W	✓	5V	2.5A	80%	90~264VAC
XDR-20-12			12V	1.5A	85%	
XDR-20-24			24V	0.84A	86%	
XDR-20-48			48V	0.45A	87%	
XDR-45-5	45W	✓	5V	4A	82%	90~264VAC
XDR-45-12			12V	2.5A	88%	
XDR-45-24			24V	1.87A	90%	
XDR-45-48			48V	0.94A	91%	
XDR-75-5	75W	✓	5V	8A	82%	90~264VAC
XDR-75-12			12V	5A	88%	
XDR-75-24			24V	3.14A	90%	
XDR-75-48			48V	1.57A	91%	



DIN Rail Power supply

Metal house
Class II, Double Isolation (No Earth connection is required)
Mechanical dimensions designed to meet DIN 43880 for building automation
Low no load power consumption and compliance with DOE VI efficiency standard
NEC Class 2 / Limited Power Source (LPS) certified
Over Voltage Category III



Model Name	Output Power	PFC	OutputVoltage	OutputCurrent	Efficiency	Input Voltage Range*
XMR-100-12	100W	✓	12V	6.6A	86%	90~264VAC
XMR-100-24			24V	4.2A	89%	
XMR-100-48			48V	2.1A	90%	
XMR-150-12	150W	✓	12V	10A	86%	90~264VAC
XMR-150-24			24V	6.25A	89%	
XMR-150-48			48V	0.94A	90%	
XMR-250-12	250W	✓	12V	18A	92%	90~264VAC
XMR-250-24			24V	10.4A	93%	
XMR-250-48			48V	5.2A	94%	
XMR-500-12	500W	✓	12V	30A	91.5%	90~264VAC
XMR-500-24			24V	20.8A	93.5%	
XMR-500-48			48V	10.4A	94%	

