

20 17 PRODUCT CATALOG

About FSP

Founded in 1993 and one of the leading suppliers of power supply products in the world, FSP meets varied user demands in power supplies, cooling, cases, accessories, and energy storage with its over-400-person strong R&D team, robust production capacity and comprehensive production lines. With 450 (2017 May) models certified to 80 PLUS standards, the world number one in 80 PLUS certification, FSP enables users to enjoy eco-friendly technologies by providing the best environment protection and quality power supply products.

Our Vision

To be the global leading provider of green energy solutions, to touch people's life and to contribute to a better environment.

Our Mission

Providing the best value to customers, employees and shareholders by our innovative service and high quality products.

FSP has always persisted in rigorous quality standards.

A power supply unit (PSU) is like a heart to the PC.

Like a heart pumps blood to the body, the PSU supplies power to the whole PC. Compared to other hardware, a good quality PSU is the most important part in the PC rig.



EMI & EMS Test To ensure the power supply is unaffected by electrical disturbances.

Anechoic Chamber Noise test to provide users a quiet and comfortable environment.





Highly Accelerated Life Test(HALT) HALT tests rapidly find weaknesses using accelerated stress conditions, to ensure product reliability.

Stress Test Thermal, voltage and current stress test, FSP PSU is adequate to strict condition.



FSP believes a good power supply must be reliable, durable and stable. Hence, all FSP power supply products are examined with serious and rigorous quality test process by FSP self-owned laboratories .The process includes high-pressure, vibration, temperature and humidity tests and so on. In addition, electromagnetic interference (EMI) and electromagnetic tolerance (EMS) tests are also carried out to make sure that the product is stable and will be unaffected by electrical disturbances.



Infrared Thermal Camera For detecting heat and alarming overheat area to prevent fire and risks.

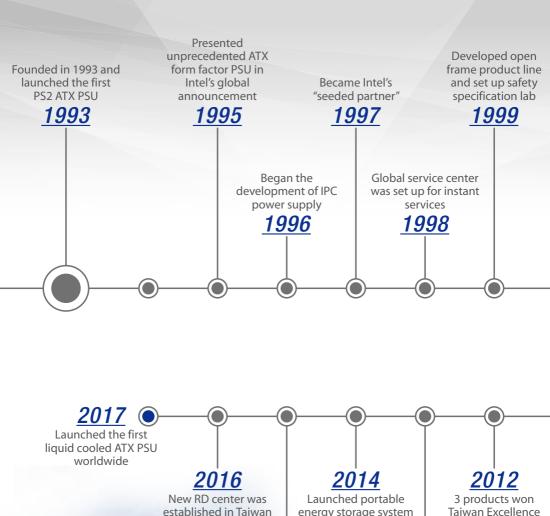


Burn-in Room High temperature burn-in test to eliminate fail components, ensure components reliability.

ATE Test Automation to perform measurement and evaluate efficiency, regulation, ripple and noise test result.



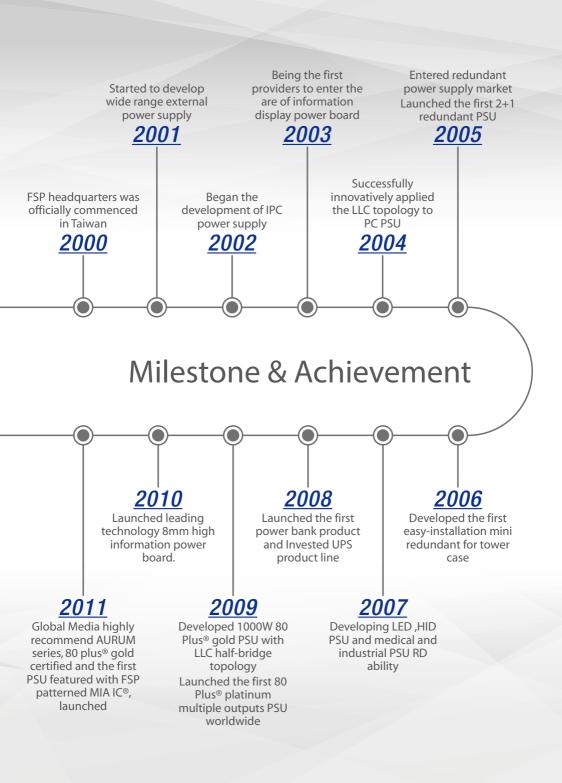
Environmental Test Under -65°C ~ +150°C thermal and humidity intense test, maximize any usage condition in safe.



established in Taiwan energy storage system Emergy 1000 2015 2013 Launched the first PS2 redundant power supply worldwide

awards

Launched portable energy storage system Emergy 3000, universal notebook adapter Twinkle 65 and FSP first high-efficiency CRPS 2U redundant



Hydro PTM

PowerSupply

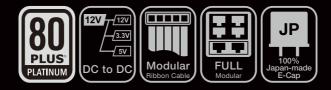
- The world's first liquid cooled ATX PSU Meet the highest security and safety standards.
- Strategic alliance development with Bitspower
 It's the solution for gamers and water-cooling enthusiasts.
- Unique patented thermal design with power overclocking technology Innovative water cooling solution, delivered 1400W compared to 1200W rating when water-cooling is installed

NEW

RGB

- **Brilliant RGB LEDs design** LEDs include multiple modes of operation.
- Intelligent fan speed control circuit design Running in OdBA silent mode below 50% loading when water-cooling is installed

*Patent no.: 106302246 / 106201419

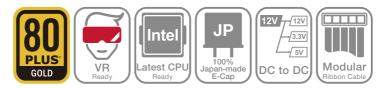






DAGGER 600W / 500W

- \cdot Compliance with Micro ATX PC
- Compliance with newest SFX12V V3.3 & ATX12V V2.4
- · 100% Japan-made electrolytic capacitors
- High quality 80mm dual ball bearing fan
- · Advanced full modular design with ribbon cables
- Powerful single +12V rail design
- Full protection: OVP, SCP, OPP, OCP, OTP





Aurum PT 1200W/1000W/850W

- Full modular design with flat cables
- · 100% Japan-made electrolytic capacitors
- Powerful single +12V rail design
- $\cdot\,$ SATA array cable, optimize airflow and no-hassle with case side panel
- · E-Sync remote sensing provide better ripple/noise performance
- Quiet and long-lasting 135mm FDB fan

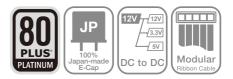




Hydrop750W/650W/550W

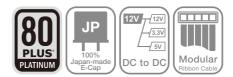
• Fully modular, easy installation.

- DC-DC module design (5V & 3.3V) provides supreme efficiency and voltage stability
- 100% Japan-made e-cap, reliable power and prolonged life span
- Ribbon cables give any systems a neat and polished look
- · Powerful +12V single rail design
- Quiet and long-lasting 135mm FDB fan





- DC-DC module design (5V & 3.3V) provides supreme efficiency and voltage stability
- 100% Japan-made e-cap, reliable power and prolonged life span
- Ribbon cable give any systems a neat and polished look (Black-sleeved cable for 24 pin)
- Unique product ID with changeable side stickers for DIY enthusiasts and gamers
- Powerful +12V single rail design
- Quiet and long-lasting 135mm FDB fan





PowerSupphy



Hydro G 850W/ 750W/ 650W/ 550W/ 450W

100

• Complies with ATX12 v2.4 & EPS12 v2.92

Hydro G

• High efficiency \geq 90%

(P) +54

Hudrog

SP FSS

Contraction of the sea

- With changeable side stickers for DIY enthusiasts and gamers
- · 100% Japan-made electrolytic capacitors
- +12V Single-rail design
- Full modular with ribbon cables
- Quiet and long-Lasting 135mm FDB fan







- · Advanced air-flow design in silent operation
- Complies with newest ATX12V & EPS12V standards
- · 100% Japan-made electrolytic capacitors
- Powerful single +12V rail design
- Ribbon cables for the need of enthusiasts and gamers
- Complete protection: OCP, OVP, SCP, OPP, OTP



<u>Hydro</u>

700W / 600W / 500W

- · Advanced air-flow design in silent operation
- Wide input AC range from 160Vac to 280Vac
- · Efficiency \geq 88%
- Powerful single +12V rail design
- Ribbon cables for the need of enthusiasts and gamers
- Complete protection: OCP, OVP, SCP, OPP





PowerSupply



RAIDER II

- · DC-DC module design
- ・ MIA IC[™] (Multiple Intelligence Ability) Chip Set
- Complies with newest ATX12V & EPS12V standards
- · 100% Japan-made electrolytic capacitors
- Powerful single +12V rail design
- Ribbon cables for the need of enthusiasts and gamers
- Complete protection: OCP, OVP, SCP, OPP, OTP



RAIDER II

- · DC-DC module design
- · Complies with newest ATX12V & EPS12V standards
- · 100% Japan-made electrolytic capacitors
- Powerful single +12V rail design
- · Ribbon cables for the need of enthusiasts and gamers
- Complete protection: OCP, OVP, SCP, OPP, OTP



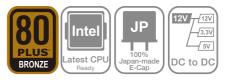




Powersuppy

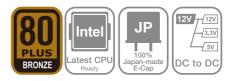
HYPER M 85+

- · Complies with ATX12 v2.4 & EPS12 v2.92
- \cdot Active PFC \geq 0.9
- · High efficiency \geq 85% @ typical load
- Comply with 80PLUS® bronze certification
- +12V single-rail design wiht full Japanese
 E-capacitors
- Semi- modular design with Ribbon Cable
- · Quiet 120mm silent fan
- Global safety approved with complete protections: OCP, OVP, SCP, OPP, OTP



HEXA 85+

- Complies with ATX12 v2.4 & EPS12 v2.92
- \cdot Active PFC \geqq 0.9 & High efficiency \geqq 85% @ typical load
- \cdot Comply with 80 PLUS® bronze certification
- · +12V single-rail design
- Full Japanese capacitors
- · Quiet 120mm silent fan
- Global safety approved with complete protections: OCP, OVP, SCP, OPP, OTP





POWErSUPPH



HYPER M 700W / 600W / 500W

- Complies with newest ATX12V & EPS12V standards
- · Efficiency \geq 85%
- Semi-modular design
- · Active PFC, Power Factor \geq 99%
- Powerful +12V single rail design
- Complete protection: OCP, OVP, SCP



Powersuppy



HYPER S

- Complies with newest ATX12V & EPS12V standards
- Meets 85% efficiency
- · Active PFC, Power Factor \geq 99%
- Powerful+12V single rail design
- PCI-Express 6+2 Pin graphic card connectors
- Complete protection: OCP, OVP, SCP



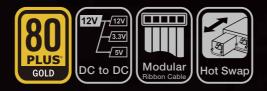


700W / 500W

Redundant

IWINS

- ATX PS2 redundant size, no front end bracket needed, ideal for mail, web or home server
- Digital-controlled power supply design can be monitored by "FSP Guardian" software
- Hot swappable modules design and no worry about server/PC power off when one of modules failure
- Complete protection: over current protection, short circuit protection, over voltage protection, fan failure protection
- · Alarm guard design by smart power supply status LED indicator
- 80 PLUS[®] 230V Internal Gold Certification
- Complies with ATX 12V and EPS 12V standards
- Flat ribbon cables, ideal solution for applications with space constraint issue





Ideal for home, mail or web server system

Twins series is an ATX PS2 size redundant. Without front end bracket, it is an ideal power supply for a home cloud server system or SMEs' web server or mail server system.





Champ series



- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (110V 300V)
- · Converter mode available
- ECO mode for energy saving
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status

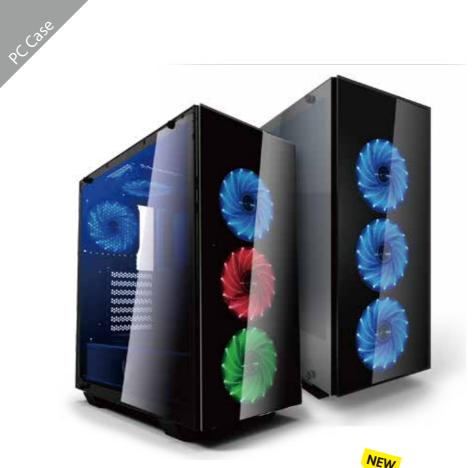


Ups





- Compact size
- Excellent microprocessor control guarantees high reliability
- Boost and buck AVR for voltage stabilization
- · Auto restart while AC is recovering
- · Simulated sine wave
- Off-mode charging
- \cdot Cold start function
- Generator compatible (option)







CMT 510

- · Mid tower size with galaxy black appearance
- Three translucent tempered glass panels
- Build-in 4 x Blue 12-LED fans
- $\cdot\,$ 7 x PCI-E expansion slots , 2 x 3.5"HDD and 4 x 2.5" SSD bays
- Bulit-in 2 x USB 3.0 ports .
- Support 360mm water radiator
- Supports high-end graphics cards max. to 400mm length, and CPU cooler to 165mm height.





AC Case





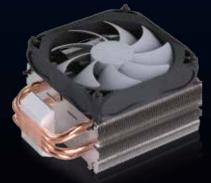


CMT 210

- Mid tower size with sleek and mesh design for superior cooling.
- 4 fan mounts, and pre-installed 120mm LED fan in the front and rear for optimal cooling potential.
- 7 x PCI-E expansion slots , 3 x HDD and 3 x SSD bays for supreme expandability.
- Supports high-end graphics cards max. to 360mm length, and CPU cooler to 160mm height.
- Provides clearance for 360mm front radiator for watercooling.
- Supports 2 ports of USB 3.0 for high speed transferring.
- Tools free 2.5" x 3 brackets for easy installation.



- Compatible with Intel[®] and AMD (AM4)
- Better cooling performance by CPU direct contact technology
- High stable anti-vibration rubber used
- Extreme silent 120 mm fan (Windale 6 is equipped with LED fan)



Windale 4 **180W TDP**

Windale 6 240W TDP







- Elegant, simple, compact design
- · Universal AC input 100-240Vac, at 2A 47-63 Hz
- Wide range of output voltages: 5V/9V/12V/15V/20V
- High power output density of up to 6.01 W/in3
- Meets DoE level 6 standard for energy efficiency
- Full thermal and electrical safety protections: OCP, OVP, OTP, SCP



Adapter



NB H series

- Detachable cables design, Adapter and Hub 2 in 1
- · Compatible with USB 3.0, 2.0, 1.1 hosts and devices
- Built-in USB 3.0 speedy ports with data transmission function (NB H110 with 3 USB ports, NB H65 with 2 USB ports)
- · Changeable output tips for maximum compatibility
- Total output: 110W (95W for NB, 15W for USB 3.0 hub), 65W (55W for NB, 10W for USB 3.0 hub)

Twinkle 65

FSIP

Adapter

- Two(EU/USA) exchangeable plugs, workable in most countries
- 100g only, easy to carry, 50% smaller than regular ones
- \cdot Wall-mount design without AC power cord
- High Efficiency, up to 91%
- Changeable output tips for maximum compatibility



NB 120/90/65/45

- Compatible with 18~20V input notebooks
- High efficiency > 87% with complete circuit protection
- Changeable output tips for maximum compatibility
- High quality input fuse protection and multiple safety approval









Adapter



NB Slim Series

- · AC Input: 100-240V (Worldwide usage)
- · Compatible with 18~20V input laptops
- High efficiency > 88%, power standby < 0.1W
- Thickness of 25.4mm is half thinner than regular adapter
- · Compatible with most popular brands of notebooks
- Complete circuit protections: Over Circuit Protection(OCP), Over Voltage Protection(OVP), Short Circuit Protection(SCP), Over Temperature Protection(OTP)
- · Conform to DOE VI, CEC efficiency standards
- · Multiple safety approval



Case Fan 12/14cm series

CF14F / CF14S / CF12F / CF12S

Well-balanced cooling performance.

Accessory

- Better than standard case fans, reduces vibration for quiet operation.
- · Paragliding blade shape for airflow improvement.
- Optimized fan blades, two surface treatments.status
- · Case fans with 4 LED Lights* (*only with LED lights model)
- FDB fans feature with abrasion resistant that reduces vibration, noise and increases lifespan. (*only with FDB fan model)





PV Power Bank

- 61-90W in DC
- · Dual input AC & PV
- Main DC Output in 14-20.5Vdc
- OCP, SCP, UVP, OVP, OTP protections
- Designed to comply EN62133, EN60950
- · Backup capacity to extend your laptop operation time
- Easy to recharge the power bank at remote area with PV panel



EMERGY 1000

Energy Storage System





All in One Charger, Inverter, Battery Plug and Play

Portable

Compact Size Design, Easy to Transport

High Efficiency No Fan, Quiet Operating

BattMate PV Power Unit





All in One power unit AC/PV Chargers, D/A Inverter integrated Plug and Play

Compatible with Lead-acid or Li-ion battery

£\$55

24V battery only (2 pcs 12V batteries in series)

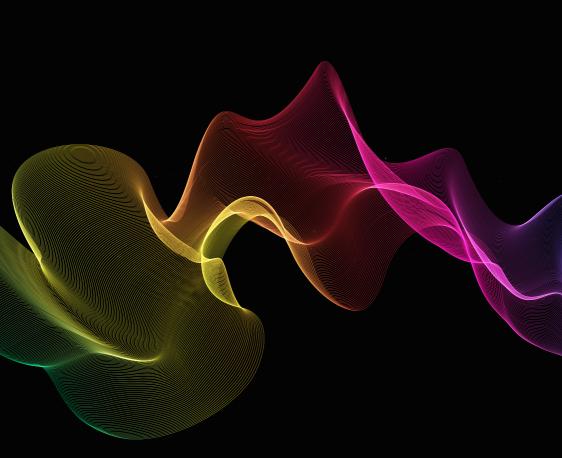
Portable

Compact Size Design Easy to Transport

- Preliminary design
- The content is subject to change without prior notice.
- FSP Confidential

Awards from Global Media







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