



# PTS162M1212 - Platinum Power Supply

## 1600W High Efficiency PSU for Data Centre Servers



Sanken has launched a **NEW 1600W high efficiency PSU** to support data centre servers. This PSU exceeds Platinum efficiency requirements and can be customized to meet specific customer specifications.



### Features & Benefits:

- Exceeds 80 PLUS Platinum with Sanken’s innovative designs
  - Achieved 93% efficiency at 20% load; 94.5% at 50% load
  - PFC: CCM with SiC diode to minimize loss
  - DC/DC: Interleaved Resonant Converter and Synchronized Rectifier
  - Protection: N+1 Redundancy, OVC, OCP, low-voltage and thermal protections
  - High Power Density: 2.1 W/cc
- Serial communication function (I2C) is incorporated
  - System commands enable communications between the system (master) and the Power Supply (slave)
- A modular design for quick customization to meet customer’s requirements
  - Facilitates a quick re-fitting to meet customer’s new design specs
  - Facilitates flexible manufacturing scheduling

### Applications:

- Data centre servers
- e.g. Blade Servers and RAID storage units



### Specification Table

PTS162M1212		12V (Main)	12V (Sub)
Output Current	AC230V	132A	2A
	AC115V	67A	2A
Output Power	AC230V	1608W	
	AC115V	828W	
Input Voltage		AC90V ~ AC264V (50 ~ 60 Hz)	
Size & Power Density		265mm x 73.5mm x 40mm (2.1W /cc)	