



Product Data Sheet

Model: Gravity Triple Wave 5500 UPS – 10 to 120 KVA

Product Overview

The **Gravity Triple Wave 5500** is a compact, high-efficiency **10–120 kVA Online UPS** designed for critical applications. Featuring **advanced DSP control**, up to **98% ECO mode efficiency**, and **flexible battery configuration**, it ensures reliable long backup and protection for servers, IT systems, and industrial equipment. With smart battery management, dual input, and multi-interface communication, it's built for performance, durability, and intelligent power continuity.



Key Features

- Advanced DSP & 3-level technology
- Input power factor: **up to 0.99 (APFC)**
- Efficiency: **95% (up to 98% in ECO mode)**
- Wide input range:
- Frequency conversion: **50→60 Hz or 60→50 Hz**
- Dual-input design: **Independent bypass supported**
- Flexible battery config: **20–30 pcs (12V each)**
- Charger current: **Up to 10A, digitally controlled**
- Battery life boost: **Intelligent battery management system**
- Start-up via battery: **Supported**
- Fan control: **Smart speed adjustment**
- Display: **LCD + LED with multi-functional keys**
- Communication: **RS232, USB, SNMP, RS485, dry contacts**
- Optional add-ons: **SMS alerts, EMD, parallel kits, etc.**



Applications

- IT & Data Centres
- CNC Machines
- Industrial Automation
- Healthcare Equipment
- Telecommunications
- Laboratories & Research Units
- Financial Institutions

Technical Specifications – Gravity Triple Wave 5500 UPS 10 To 120 kVA

Capacity		Gravity Triple Wave 5500 10 To 120 kVA	
Input Wiring	Three-phase + Neutral + Earth		
Rated Voltage	380 / 400 / 415 Vac (3 Phase)		
Voltage Range	305 – 478 Vac (3 Phase without derating)		
Rated Frequency	50 / 60 Hz		
Frequency Range	40 ~ 70 Hz		
Power Factor	0.99		
Bypass Voltage Range	-40% ~ +15% (settable)		
THDi	5%		
Output Wiring	Three-phase + Neutral + Earth		
Output Rated Voltage	(PF=0.9) / 380 / 400 /415		
Voltage Regulation	±1%		
Frequency	Synchronized to mains; 50/60Hz ±0.1% in battery mode		
Waveform	Sinusoidal		
Output Power Factor	1		
THDv	1% (linear), 4% (non-linear)		
Crest Factor	03:01		
Overload	105% ~110% (10 min), 110% ~125% (1 min), 126%150% (30s)		
DC Voltage	240 Vdc (240~360 Vdc settable)		
No. of Batteries	(20~30 settable)		
Charging Current	5 A (default), 1~ 5 A settable; 12 A		
Recharge Time	Depends on battery capacity		
Efficiency	94% at full load, Max 95% at 60% load,98% ECO mode		
Transfer Time	0 ms		
Protections	Short-circuit, overload, temp, low/high voltage, fan failure		
Parallel Connections	4		
Communication	RS232, USB, RS485, dry contacts, SNMP, temp comp (optional)		
Display	LCD + LED		
Operating Temp	0Â°C ~ 40Â°C		
Storage Temp	-25Â°C ~ 55Â°C (w/o battery)		
Humidity	0 ~ 95% (non-condensing)		
Altitude	1000 m, derating 1% per 100 m		
IP Rating	IP20		
Noise Level	55 dB		

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