



C5 SERIES

3 Phase Input
3 Phase Output
Online Ups

160 KVA - 500 KVA

GENERAL FEATURES / GENEL ÖZELLİKLER

C5 series UPS provides the best protection available in the industry with its state of art of electronics design.

C5 mostly operates in medical, finance, telecom, industry, energy and structural areas. In its design true online double conversion supplies the load with pure AC power and totally isolates load from the input disturbances (VFI) and it has been become possible to avoid from sudden voltage rise.

Internal isolation IGBT rectifier & inverter provides high efficiency, lower also reduces the total weight and dimensions through the components used in the design. Total cost of ownership and service time for the device has been reduced. Reduced return of investment period is another reason for choosing C5 series.

C5 Serisi, tasarım harikası elektronik donanımı ile endüstri için uygun olan en iyi korumayı sağlar.

Medikal, Finans, Telekom, Bankacılık, Endüstri, Enerji ve İnşaat sektörlerinin tamamında kusursuz güç koruması sağlar. Doğru online çift çevrim teknolojisi ile yükü, saf AC güç ile besler ve yükü giriş bozunumlarından tamamen izole eder, böylece ani voltaj yükselmelerine karşı koruma sağlamış olur.

Dahili izolasyonlu IGBT doğrultucu ve invertör, yüksek verim sağlar, ayrıca dizaynında kullanılan bileşenlerin toplam ağırlık ve boyutlarının azalmasını sağlar. Kullanım masrafları ve cihaz için servis süresi azaltılmıştır. Kısa sürede yatırımı geri kazanım ise C5'i seçmenin bir diğer nedenidir.

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Model	C5160	C5200	C5250	C5300	C5400	C5500
Rated Power / Output Active Power	160 kVA / 144 kW	200 kVA / 180 kW	250 kVA / 225 kW	300 kVA / 270 kW	400 kVA / 360 kW	500 kVA / 450 kW
UPS Type / Technology	Standalone Tower Type / True Online Double Conversion Technology					
MTBF / MTTR	> 200000 hrs / < 30 Minutes					
Output Power Factor	0,9					
Display Parameters via LCD	Mimic Diagram; Indicators for Battery, Rectifier, Inverter, Bypass, Load Status; System Information, Data and Instruction, Current Record Window; Monitoring Main Input, Bypass Input, AC Output Characters, Load Data, Battery Data (Temp, Remaining Time, Capacity, Etc.)					
Smart Features / Smart Eco Mode	Cold start, AC Restart, Auto Restart / Standard: User Selectable					
True Redundancy / [N+1]	N+1 & N+X Paralleling Option / Up To 3 Units					
Protections	Overload, Output Short Circuit, AC Line & Neutral Reverse Connection, Output Short Circuit, Over Temperature, Battery EOD (Deep Charge) Protection; Fan Testing, Self Testing, Battery Testing, ETC.					
Troubleshooting	Maintenance Bypass Switch; EPO; Battery Charging & Discharging, Maintenance Circuit Breaker, Generator Status; Bypass Phase Fault, Fan Fault, Voltage Abnormal Alarms; Manual UPS Shutdown, ETC					
Overall Efficiency	≥93% @ 100% Rated Load					
Smart Eco Mode Efficiency	≥98% @ 100% Rated Load					
INPUT	Rated Voltage	380 / 400 / 415 VAC 3P + N				
	Voltage Range	-13.5% ~ +13.5%				
	Rated Frequency	50 or 60 Hz				
	Frequency Range (Selectable)	45 ~ 65 Hz				
	Power Factor	0.99				
	THDi	< 3%				
OUTPUT	Rated Voltage / Voltage Accuracy	380 / 400 / 415 VAC 3P + N / 1% (Balanced Load), 3% (Unbalanced Load)				
	Rated Frequency / Freq. Accuracy	50 or 60Hz / ± 0.1%				
	THDv	< 1% (Linear Load), < 3% (Non-Linear Load)				
	Crest Factor	3:1				
	Overload Capability	5 mins @ 100% ~ 110% Rated Load; 1 mins @ 110% ~ 125%; 30 sec @ 150% Rated Load; 200 ms @ >150% Rated Load;				
Rated Voltage (DC) / Quantity	± 300 VDC / 50 pcs 12VDC VRLA AGM					
Advanced Communication	RS232, RS485, Dry Contacts, SNMP Card (Optional), EPO, Generator Interface					
Remote ON/OFF	Remote EPO or SNMP over LAN					
Operating Temperature	0°C to 40°C					
Recommended Operating Temperature	-40°C to 70°C					
Storage Temperature	-25°C to 70°C					
Altitude / Relative Humidity	≤ 1000m above sea level; derating power by 1% per 100m between 1000m and 4000m / 0 to 95%, non-condensing					
Audible Noise	< 60dBA		< 65dBA		< 65dBA	
Safety / EMC / LVD / Performance	EN62040-1; 62040-2; 61000-4-2; 61000-4-3; 61000-4-4; 61000-4-5; 61000-4-6; 61000-4-8; 61000-2-2; ASTM D5276-94; ASTM D4728-87					
Dimensions (WxDxH) [mm]	800x860x1700		1210x860x1950		2380x860x1950	
Net Weight [kg]	790		1135		1355	
					2090	
					2300	

* Celta reserves right to amend the data herein without notification