



INV SERIES

Full Sine Wave Inverter

10 KVA - 800 KVA

Inverters are produced in accordance with solar and wind energy systems. telecommunications systems are successfully implemented. Input voltage, optionally 12, 24, 48, may be 110 and 220 VDC.

Invertörler, Güneş ve Rüzgar Enerji sistemlerine uygun olarak üretilmektedir. Telekomünikasyon sistemlerinde başarıyla uygulanmaktadır. Giriş gerilimi isteğe bağlı olarak 12, 24, 48, 110 ve 220 VDC olabilmektedir.

GENERAL FEATURES / GENEL ÖZELLİKLER

- CPU Control Technology
- SPWM technology, pure sine wave
- Advanced reverse-noise technology
- Adjustable AC and DC models
- RJ45 interface, Dry Contact
- 1 or 3-phase inverter control from the DSP
- Input and output circuit breaker
- Output isolation transformer
- 50Hz / 60Hz / 83 1/3 Hz / 400 Hz output options
- High inrush current according to the loads (compressor motor)
- scalability with options for parallel operation (optional)
- 2 x 16 character LCD display output voltage and current
- Low input, high input, low output, high output, over temperature, IGBT / MOSFET fault alarms and warnings

- CPU Kontrol teknolojisi
- Saf sinüs dalga ile SPWM teknolojisi
- Gelişmiş ters gürültü teknolojisi
- Ayarlanabilir AC ve DC model
- Arayüz RJ45, Kuru Kontak
- Evirici 1 veya 3 faz çıkışlı DSP kontrolü
- Girişte ve çıkışta devre kesicili
- Çıkışta izolasyon trafosu
- 50Hz / 60Hz / 83 1/3 Hz / 400 Hz çıkış seçenekleri
- Yüksek kalkış akımlı yüklerle uygun (kompresör, motor)
- Paralel çalışma seçeneği ile ölçeklenebilirlik (opsiyonel)
- 2 x 16 karakter LCD gösterge Çıkış gerilimi ve akımı
- Giriş düşük, giriş yüksek, çıkış düşük, çıkış yüksek, aşırı sıcaklık, IGBT/Mosfet hatası alarm ve uyarıları

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10 KVA - 400 KVA

MODEL		10	15	20	30	45	60	80	100	120	160	200	250	300	400	500	600	700	800
INPUT	Voltage	12 VDC - 405 VDC																	
	Voltage Tolerance	± 20% (Load-Dependent Changes)																	
OUTPUT	Voltage	3x380 / 220V + N, 3x400 / 230V + N, 3x415 / 240V + N																	
	Voltage Tolerance	± 1% (Linear Load), ± 3% (Dynamic Load), 0% - 100% ± 5% Load Transitions																	
	Frequency	50 / 60 Hz																	
	Frequency Tolerance	± 0.1% (Self-Synchronized) ± 1% (When Synchronous Network)																	
	Power Factor	0.8 - 0.9																	
	Crest Factor	3:1																	
	Overload Protection	100% - 125% Load: 15 Minutes - 125% - 150% Load: 1 Minute																	
	Total Harmonic Distortion	< 2% Linear Load / < 5% Non-Linear Load																	
	GENERAL	Topology	On-Line Double Cycle																
Paralleling		Distributed Parallel Architecture																	
Redundancy [N+1]		Paralleling Capability up to 6 Modules																	
Control		Microcontroller Controlled																	
Protection Type		IP 20 - 54																	
Standards		EN 50091-1 (Safety), EN 50091-2 (EMC)																	
Efficiency		94%																	
Static-Maintenance Bypass		Standard																	
PHYSICAL	Ambient Temperature	0 - 40 °C																	
	Relative Humidity	0% - 95% (Non-Condensing)																	
	Acoustic Noise (1M)																		
	Working Height	< 2000m (Sea Level)																	
	Color	RAL 7012																	
	Dimension (WxHxD) [mm]	10KVA: 63x175x78; 15-60KVA: 73x175x88; 80KVA: 83x175x88; 100KVA: 123x175x88; 120KVA: 153x175x88; 160-200KVA: 183x195x98; 250-300KVA: 203x215x98; 400KVA: 263x215x98; 500-800KVA: 373x215x98																	
	Weight (Without Battery) [kg]	256	300	330	370	450	550	630	860	950	1565	1700	2300	2750	3500	4000	4500	5000	5500
COMMUNICATION	Power Management Indicator	LCD, Mimic Diagram																	
	Communication Port (Smart Port)	Serials RS232																	
	Communication Port (Dry Port)	Free Contact																	
	SNMP	Software Compatible With The SNMP Universe																	
	Control and Monitoring	Microchip Controller																	
STATIC BYPASS	Input	220 / 230 / 240 V + N ± 25% (Network or Therequested Source)																	
	Output	220 / 230 / 240 V + N ± 10% (Adjustable)																	
	Transition Time	0 Second																	
	Power	150%																	
	Protection	Fuse																	
BATTERY	Nominal Voltage	405 Volt																	
	Type	Dry Type																	
	Charging Time	Adjustable																	
	Battery Test	Automatic / Manual																	
	Feeding Time	Optional																	

* Celta reserves right to amend the data herein without notification