



SUPERIOR PLUS SERIE



www.jcbenergy.es

SUPERIOR PLUS SERIE



**ON-LINE
3 PHASE INPUT
1 PHASE OUTPUT**

Technical Specifications

- High efficiency (96%) with IGBT rectifier and 3L Inverter
- High efficiency operation with Eco mode (98%)
- Active input power factor correction (Pf 1)
- Active input current harmonics correction (TH DI <4%)
- Low output voltage THD (<2%)
- Smart charger can increase battery life by 40%
- Parallel operation
- Temperature compensated battery charging system
- Generator-compatible operation, external by-pass feature (Optional)
- Easily synchronized with external sources
- Remote monitoring and management software, programmable dry contacts
- Output by-pass overload and short-circuit protection
- Standard non-maintenance by-pass
- Small footprint with compact dimensions
- Low installation and operating costs
- Smart fan control (depending on temperature and load)
- Wide input voltage range
- Real-time status memory

Protections

- Overload Protection,
- High Temperature,
- Input Over Voltage,
- Input & Output Over Current,
- Back- Feed Protection,
- Intelligent Charging Algorithm
- Deep Charge Protection
- Battery Test(Automatic/ Manual),
- Short- Circuit Protection

Model (3 Ph- 3 Ph)	JSC 10	JSC 15	JSC 20	JSC 30	JSC 40	JSC 60
Nominal Active Power (watt)	10.000	15.000	20.000	30.000	40.000	60.000
Rectifier Input						
Nominal Voltage	380/400/415 V(Ph-Ph)Ph+N					
Input Voltage Range (VAC) (at 50% Load)	Min. -35% / Max. +25%					
Input Voltage Range (VAC) (at full load, with battery charging)	Min. -18% / Max. +18%					
Frequency (Hz)	50/60±%5					
Input Current Distortion Rate	<5%					
Power Factor	>0,99					
By-Pass						
Nominal Voltage (VAC)(Ph-Ph)	380/400/415 V(Ph-Ph)3Ph+N					
Voltage Tolerance	±10%					
Frequency (Hz)	±10%					
Transfer Time (ms)	<0.01					
Output						
Nominal Voltage (VAC)(Ph-Ph)	380/400/415 V(Ph-Ph-Adjustable)					
Power Factor	1					
Efficiency	Up to %96 (*)					
Wave Form	Sinusoidal					
Frequency (Hz)	50 or 60 Hz (Adjustable)					
Frequency Tolerance (Battery Operation)	0.01%					
Voltage Regulation(Static)	±1%					
Output Voltage Change at unbalance load	<%0.5					
Maximum phase angle variation	<0.1°					
Crest Factor	3:1					
Overload Protection (sec)	60sec (at 100-125% load)/ 10 sec (at 126-150% load)					
Total Harmonic Distortion	Linear Load <%3 /Non-Linear load <%5					
Battery						
Battery Type	Maintenance-Free Lead Acid Batteries					
Akü Sayısı (Adet)	20-30		30		40	
Communication						
Standard Interface	RS232-EPO-External cabinet temperature					
Opsiyon	Modbus-4 Programmable Relay-Contacts - SNMP					
Environment						
Operating Temperature Range (°C)	0-40°C					
Battery Temperature Range (°C)	20-25°C (Recommended For Longer Battery Life)					
Maximum Altitude without Derating (m)	1000					
Relative Humidity Range	%20-95 (Non-Condensing)					
Acoustic Noise (dBA)	<55 (at 1m)					
Pyhsical						
Dimensions (HxWxD) (mm)	855x300x715		990x300x865		1200x430x960	1000x450x900
Weight (kg) (without battery)	53 kg pallet		70 kg pallet		90 kg pallet	105 kg pallet
	44 kg net		62 kg net		80 kg net	95 kg net
Paint	Ral 9005					



www.jcbenergy.es