



# SUPERIOR COMPACT SERIE



[www.jcbenergy.es](http://www.jcbenergy.es)

# SUPERIOR COMPACT SERIE



**ON-LINE**  
**3 PHASES INPUT**  
**3 PHASES OUTPUT**

## General Features

- High efficiency with IGBT rectifier and 3L converter (%96)
- High-efficiency operation with Eco mode (%98)
- Active power factor correction (Pf 1)
- Active input current harmonic correction (Thdi <%5)
- Low output voltage THD (<%2)
- Increase battery life by 40% with smart charger
- Ability to operate in parallel
- Battery charging system with temperature compensation
- Compatibility with generators, external bypass feature (Optional)
- Easy synchronization with external sources
- Remote monitoring and management software, programmable dry contacts
- Output, bypass, overload, and short-circuit protections
- Standard uninterrupted maintenance bypass
- Compact size for space-saving
- Low installation and operating costs
- Intelligent fan control (based on temperature and load)
- Wide input voltage range
- Real-time status memory

## Protections

- Overload protection
- Overtemperature protection
- High input voltage protection
- Excessive current protection (input/output)
- Feedback protection
- Intelligent charging feature
- Deep discharge protection
- Battery test (Automatic/Manual)
- Short circuit protection

Model (3 Phases – 3 Phases)	JSP 10	JSP 15	JSP 20	JSP 30	JSP 40	JSP 60
Output Active Power (watt)	8000	12.000	16.000	24.000	32.000	54.000
Input voltage	380-400-415 V(phases - phases)					
Input Voltage Range (VAC) (at 50% load)	Min % -40/ Max %+25					
Input Voltage Range (VAC) (at full load, with battery charging)	Min % -40/Max %+25					
Frequency	±%5					
Input Current Total Harmonic Distortion (THD)	<%5					
Power factor	≥0,99					
<b>By-Pass</b>						
By-Pass Voltage	380-400-415 V(phase-phase)					
Voltage Tolerance	±%10					
Frequency Tolerance (Hz)	±%10					
Transfer Time (ms)	<0.001					
<b>Output</b>						
Output voltage (VAC)(phase-phase)	380-400-415 V(phase-phase) selectable					
Power factor	1					
Efficiency	*until 96%					
Output Waveform	Real Sinus					
Frequency (Hz)	50 or 60 Hz (Automatic detection)					
Frequency Tolerance (in battery operation mode)	0.01%					
Voltage Regulation (Static)	±%1					
Output Voltage Variation in Unbalanced Loads	<%5					
Maximum Phase Angle Shift	<0.1°					
Crest Factor	3:1					
Power (kVA)	10	15	20	30	40	60
Overload Protection (seconds)	60 sn					
Total Harmonic Distortion	<3%					
	non-linear load <%					
<b>Battery</b>						
Battery Type	Maintenance-free dry type					
Number of Batteries (Quantity)	20-30		30		40	
<b>Communication</b>						
Standard Interface	RS232, EPO, External cabinet temperature					
Option	Modbus-4 programmable relay contacts - SNMP					
<b>Environmental Conditions</b>						
Operating Temperature Range (°C)	0-40°C					
Battery Operating Temperature Range (°C)	20-25°C (recommended for extended battery life)					
Maximum Operating Altitude without Loss of Performance (m)	1000					
Relative Humidity Range	20-95% (non-condensing)					
Noise Level (dBA)	<55 (1m)					
<b>Physical</b>						
Dimensions (HxWxD) mm	900x300x715			990x300x865		
Weight without Battery (kg)	53 kg pallet	70kg pallet	75 kg pallet	60 kg pallet	105 kg pallet	
	44 kg net	62 kg net	67 kg net	50 kg net	95 kg net	
Paint Standard	Ral 9005 Texture					

- Subject to Load and Operating Environment





[www.jcbenergy.es](http://www.jcbenergy.es)