



CYCLONE 100D SERIE



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



Technical Specifications

- Rack and tower case options
- Power factor corrected input
- REPO input (NO or NC programmable)
- Static bypass system, VAT transfer system
- Output voltage regulation, low output THD
- Optional battery temperature compensation
- Online technology, advanced self diagnostics
- Battery options for longer battery backup time
- Fully digital DSP controlled system, PID control
- User selectable easy voltage, frequency and setting
- Cold start from batteries
- 128 log event records (5000 alarms)
- LCD alphanumeric display, mimic lamps, 5 control buttons
- Output short circuit protection (isolated from bypass input)
- Output overload protection, 150% overload capacity
- Automatic battery test, Front panel lamp test system
- Deep battery discharge protection, Boost charge
- Battery capacity and battery remaining time indicator
- Maintenance bypass switch
- RS232 communication interface, management software, SNMP, MODBUS
- Dry contact outputs (NO or NC programmable) 3 relays standard, 2 option
- IPM power module, Output current limit, Operation mode selection (Online or Offline)

Model	JCL 106 D	JCL 110 D	JCL 115 D
Type	Tower	Tower	Tower
Input			
Power Factor	>0.99 (full load)		
Input Voltage Range	220-230 volts AC (+/- 25%) selectable (1 phase+neutral)		
Input THD	<5% at full load		
Input Frequency	50Hz(40-65Hz operation)		
RFI Level	EN62040		
Indicators	Voltage, Current, Frequency		
Protection	Input fuse, input high and line failure alarm		
Bypass Voltage	220-230 volts AC (+/-10%)selectable		
Bypass Frequency	50Hz (Adjustable from +/-1 to 3 Hz)		
Manuel Bypass	Standard		
Maintenance Bypass	Optional		
Split Bypass	Input Optional		
Transfer System	VAT Transfer (voltage adaptive transfer) built in		
Output			
Power	6kVA/4.2kW	10kVA/7kW	15kVA/10,5kW
Power / Crest Factor	0.7-3:1		
Voltage	220-230 volts AC (+/- 1%) selectable (1 phase+neutral)		
Current (100% load)	19 Amps	32 Amps	47 Amps
Frequency	50Hz		
Frequency Tolerance	Free running:0.01%, synchron lock adjustable(+/-1 to 3Hz)		
Indicators	Voltage,Load,Current,Frequency		
Overload Protection	100%-125% 10mins, 126%-150% 1 min		
Protections	Voltage low,high, short circuit,wavefrom error, DC leakage		
THD	<3% (at 100% Load)		
Output Connections	Hardwired+2xIEC sockets on the rear side		
Battery			
Type	Sealed Lead Acid		
Battery Number	20x12V Standard		
Cabinet	internal		external
Battery Test	Available(automatic or manuel)		
Boost Charge	Available adjustable (288V for 20x12V batteries)		
Protection	Battery low shutdown, low warning, high alarm Average battery high alarm, fuse protection		
Charge Current	Limited (adjustable from 1 to 3 amps.)		
End of Discharge	Adjustable(192V for 20 batteries) Deep discharge protection		
Floot Charge Voltage	Adjustable(272V for 20x12V batteries at 25C)		
General			
Communication	Repo input, 3 relays and RS232 standard, SNMP and Modbus optional		
Options	2 relay outputs, 1 automations input, remote panel, rs232 port multiplexer		
Front Panel	2x16 LCD panel, 3 Leds and buttons		
Dimensions	430x215x600		590x215x780
Weight	23 kg	39 kg	40 kg
Acoustic Noise	<50 dBA		
Temperature Range	0°C – 40°C		
Relative Humidity	<90% (non condensed)		
Ventilation	Forced air cooling		
Altitude	2000 m. at nominal power		
Protection degree	IP20		



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