# Distributed in Australia by: Applied in Australia by: Power Systems Cordex<sup>™</sup> 3.3kW System

125V High Voltage Integrated System



Cordex 125-3.3kW system

- 26.4A system capacity
- Cordex 125V 1.1kW modular rectifiers
- > AC input 208 to 240VAC
- DC output 90 to 160VDC
- Front accessible for rack or wall mounting
- Ethernet and SNMP communications
- Designed for industrial and utility applications

The Cordex 3.3kW high voltage integrated power system provides the best in efficiency and reliability meeting the power requirements for a variety of system applications. This system is specifically designed to recharge all types of stationary batteries for large utility, petrochemical and industrial uses.

The Cordex 3.3kW is a compact 7RU integrated system, with up to three Cordex 1.1kW rectifiers in a 19" shelf available for rack or wall mounting. Local and remote setup, adjustment and control is a simple single-step process via the Cordex CXC touch screen system controller or via ethernet on standard Windows Internet Explorer. Battery management and data logging are standard system features.

## ARGUS

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### Cordex 3.3kW 125V High Voltage Integrated System

Intergrated System		Data Logging	
Electrical		Daily statistics:	Minimum, maximum and average on input
Input voltage:	208 to 277VAC		Battery current, rectifier current, and AC
Phase:	1 or 3		mains voltage for last 90 days
Frequency:	45 to 66Hz	Event log:	On all events such as alarms, power on, any
Current:	System 26.4A @ 125VD (max. 33A)		change of state of the digital inputs, or other
Power Factor:	>0.99 (input current)		miscellaneous events
Efficiency:	>93% (50 to 100% load)	Battery log:	Battery health history on last 20 discharges,
Output Voltage:	90 to 160VDC		time of discharge, and battery capacity
Current:	3 modulos por shalf		
Load Regulation:	Static <+0.5%	Control Functions:	Automatic, scheduled (periodic) or manual
Line Regulation:	Static <+0.1%		equalize
Transient response:	<+2% for 10 to 100% load step.		Automatically terminated equalize charge
	10ms recovery time.		Dynamic charge current control
Wide band noise:	<10mVrms		Battery capacity and runtime prediction
	<80mVp-p		Auto or manual battery test
Insulation:	2.5kVAC Input-Earth		,
	3kVAC Input-Output	DC Output Panel	
	2kVAC Output-Earth	2 x 2 Pole, 32A breaker	s (10KAIC) with alarm monitoring
	0.5KVAC Signais-Earth		
Mechanical		AC Input (not a service	entrance):
Charger Enclosure:	Wall or Back Mount	Single phase:	1 x 2-pole 10KAIC (30KAIC Option)
	Wait of Hack Would	Inree phase:	1 x 3-pole delta connection 10KAIC
inchoo:			T x 3-pole wye connection TUKAIC
mm:			
Woight:	$12.50 \text{ kg} (27.76 \text{ kg})^*$		
Enclosuro:	NEMA 1 (charcoal finish)	Environmental	
LIICIOSUIC.	NEWA I (charcoar hinish)		
		Temperature Range	
		()porating:	$AO = EO^{\circ}(C + AO = AOO^{\circ}L)$
		Operating.	-40 (0 50 C (-40 (0 122 F)) Reatifier dereted to $600W$ @ $65^{\circ}C$ (140°E)
Features		Extended:	Rectifier derated to 600W @ 65°C (149°F)
Features		Extended: Humidity: Cooling:	Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection
Features User Interface		Extended: Humidity: Cooling: Heat dissipation:	-40 to 30 C (-40 to 122 F) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system
Features User Interface GUI:	Use Internet Explorer browser to access	Extended: Humidity: Cooling: Heat dissipation:	A to 10 30 C (40 to 122 F) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system
Features User Interface GUI:	Use Internet Explorer browser to access embedded GUI through Ethernet	Extended: Humidity: Cooling: Heat dissipation:	A control of the first of the f
Features User Interface GUI:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port	Extended: Humidity: Cooling: Heat dissipation:	A 0 to 30 C (40 to 122 P) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system
Features User Interface GUI: Display:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contract adjustment	Extended: Humidity: Cooling: Heat dissipation:	A 0 to 30 C (40 to 122 P) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system
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Features User Interface GUI: Display: Controls:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards	Extended: Humidity: Cooling: Heat dissipation: Standards Safety:	-40 to 30 C (-40 to 122 P) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system UL 60950 3rd editions, CSA C22.2 No. 60950, 00 3rd editions
Features User Interface GUI: Display: Controls: LED indicators:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green	Extended: Humidity: Cooling: Heat dissipation: Standards Safety:	-40 to 30 C (-40 to 122 P) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950
Features User Interface GUI: Display: Controls: LED indicators:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow	Extended: Humidity: Cooling: Heat dissipation: Standards Safety:	-40 to 30 C (-40 to 122 F) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CF
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Features User Interface GUI: Display: Controls: LED indicators: Audio:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Red Built in speaker for alarms and popup	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	<ul> <li>-40 to 30 C (-40 to 122 F)</li> <li>Rectifier derated to 600W @ 65°C (149°F)</li> <li>0 to 95%</li> <li>Natural convection</li> <li>&lt;900 BTU per hour/system</li> </ul> UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68
Features User Interface GUI: Display: Controls: LED indicators: Audio:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK — Green Minor alarm — Yellow Major alarm — Red Built in speaker for alarms and popup messages	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	<ul> <li>-40 to 30 C (-40 to 122 F)</li> <li>Rectifier derated to 600W @ 65°C (149°F)</li> <li>0 to 95%</li> <li>Natural convection</li> <li>&lt;900 BTU per hour/system</li> </ul> UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22)
Features User Interface GUI: Display: Controls: LED indicators: Audio: Language:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK — Green Minor alarm — Yellow Major alarm — Red Built in speaker for alarms and popup messages Multi language support including Chinese	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD
Features User Interface GUI: Display: Controls: LED indicators: Audio: Language:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK — Green Minor alarm — Yellow Major alarm — Red Built in speaker for alarms and popup messages Multi language support including Chinese characters	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	-40 to 300 C (40 to 122 F)         Rectifier derated to 600W @ 65°C (149°F)         0 to 95%         Natural convection         <900 BTU per hour/system
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Features         User Interface         GUI:         Display:         Controls:         LED indicators:         Audio:         Language:         Communication Ports	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Red Built in speaker for alarms and popup messages Multi language support including Chinese characters	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-6 Conducted Immunity
FeaturesUser Interface GUI:Display:Controls:LED indicators:Audio:Language:Communication Ports RS-232 (DB-9):	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Red Built in speaker for alarms and popup messages Multi language support including Chinese characters	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-2 ESD EN 61000-4-4 EFRT/Burst EN 61000-4-6 Conducted Immunity
Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9):	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK — Green Minor alarm — Yellow Major alarm — Red Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-6 Conducted Immunity
Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9): CAN OUT (RJ-12 offset):	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK — Green Minor alarm — Yellow Major alarm — Red Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection CAN communication BUSS to aptional gmort agripheral modulos	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-6 Conducted Immunity
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Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9): CAN OUT (RJ-12 offset): Ethernet (BJ-12 offset):	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Ped Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection CAN communication BUSS to optional smart peripheral modules For future service options 10/100 Base T with balf/full duplex	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-4 EFRT/Burst EN 61000-4-6 Conducted Immunity
Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9): CAN OUT (RJ-12 offset): Ethernet (RJ-45):	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Red Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection CAN communication BUSS to optional smart peripheral modules For future service options 10/100 Base T with half/full duplex	Extended: Humidity: Cooling: Heat dissipation: Standards Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-4 EFRT/Burst EN 61000-4-6 Conducted Immunity
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Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9): CAN OUT (RJ-12 offset): Ethernet (RJ-45): Alarms Output:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Ped Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection CAN communication BUSS to optional smart peripheral modules For future service options 10/100 Base T with half/full duplex	Extended: Humidity: Cooling: Heat dissipation: Safety: EMC:	UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd editions <900 BTU per hour/system UL 60950 3rd editions <900 BTU per hour/system UL 60950 0 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-4 EFRT/Burst EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity
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Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9): CAN OUT (RJ-12 offset): Ethernet (RJ-45): Alarms Output: Input: GFD:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Red Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection CAN communication BUSS to optional smart peripheral modules For future service options 10/100 Base T with half/full duplex	Extended: Humidity: Cooling: Heat dissipation: Safety: EMC: For	A do to 300 C (40 to 122 P) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-4 EFRT/Burst EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-7 ESD EN 61000-4-8 EVENTE EN 61000-4-8 Conducted Immunity EN 61000-4-8 Conducted Immunity EN 61000-4-9 ESD EN 6100-4-9 ESD EN 61000-4-9 ESD EN 61000-4-9 ESD EN 61000-4-9 ESD EN 6100-4-9 ES
Features User Interface GUI: Display: Controls: LED indicators: Audio: Language: Communication Ports RS-232 (DB-9): CAN OUT (RJ-12 offset): RS-485 (RJ-12 offset): Ethernet (RJ-45): Alarms Output: Input: GFD: SNMP:	Use Internet Explorer browser to access embedded GUI through Ethernet port or RS-232 craft port Full graphic LCD, 160 x 160 pixels, with backlight and contrast adjustment LCD touch screen with virtual alpha numeric and numeric keyboards System OK—Green Minor alarm—Yellow Major alarm—Red Built in speaker for alarms and popup messages Multi language support including Chinese characters Craft port on front panel for local PC connection CAN communication BUSS to optional smart peripheral modules For future service options 10/100 Base T with half/full duplex	Extended: Humidity: Cooling: Heat dissipation: Safety: EMC: For	A do to 30 C (40 to 122 P) Rectifier derated to 600W @ 65°C (149°F) 0 to 95% Natural convection <900 BTU per hour/system UL 60950 3rd editions, CSA C22.2 No. 60950-00 3rd edition EN 60950 CE ICES-003 Class A FCC Part 15, Class A, FCC Part 68 EN 55022 Class AA (CISPR 22) EN 61000-4-2 ESD EN 61000-4-3 Radiated Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-6 Conducted Immunity EN 61000-4-7 ESD EN 61000-4-8 EN EN 61000-4-8 EN EN 61000-4-8 EN EN 61000-4-8 EN EN 61000-4-9 EN EN 6100-4-9 EN EN 61000-4-9 EN EN 6100-4-9 EN EN 6100-4-9 EN EN 61000-4-9 EN EN 61000-4-9 EN EN

\*Rectifier module not included system weight

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