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MODEL		SP300VAC2000W Advanced	SP300VAC2000W	
INPUT				
Voltage		190~265VAC		
Frequency		47~63Hz		
Phase		1 Phase, 2Wire+Groud		
Max.Current		14A		
Power Factor at 220VAC Inp		≥0.99 Active PFC		
Efficiency		>87% (Peak) >86% at 220VAC,50Hz input/220VAC,50Hz output,Full Load		
OUTPUT				
AC Power		2000VA		
Max.Current	0~150V(L)	16A		
(r.m.s)	0~300V(H)	8A		
Max.Current	0~150V(L)	80A		
(Peak)	0~300V(H)	40A		
Phase		1 Phase		
Total Harmonic Distortion (THD)		<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range 1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range 1% (Resistive Load) at 501~1000Hz and output voltage within the 100~140VAC at Low Range or the 160~280VAC at High Range 10.2% (Resistive Load) at 1001~1200Hz and output voltage within the 100~140VAC at Low Range or the 160~280VAC at High Range 10.2% (Resistive Load) at 1001~1200Hz and output voltage within the 100~140VAC at Low Range or the 160~280VAC at High Range 11.2% (Resistive Load) at 1001~1200Hz and output voltage within the 100~140VAC at Low Range or the 160~280VAC at High Range 12.2% (Resistive Load) at 1001~1200Hz only available to Professional Version Models		
Crest Factor(CF)	≤ 5		
Load Regulation		±0.1V		
Line Regulation		±(1% of output + 1V)		
Voltage(AC)	Range	0~300VAC, 150V/300V/Auto Mode		
	Resolution	0.1V		
	Accuracy	0.2% of setting +0.2%F.S.		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65Hz		



Specification























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MODEL		SP300VAC2000W Advanced	SP300VAC2000W Professional
	Range	0~424VDC	
	Resolution	0.1V	
	Accuracy	0.2% of setting +0.2%F.S.	
	Max.Power	2000W	
/oltage(DC)	Max.Current	L 11.3A	
	(L/H Range)	H 5.65A	
	Ripple&	L <700mVrms @Bandwidth 20Hz to 1MHz	
	Noise(r.m.s)	H <1100mVrms @Bandwidth 20Hz to 1MHz	
	Ripple& Noise(Peak)	<4000mVp-p @Bandwidth 20Hz to 1MHz	
	Resolution	0.01A	
Current OC Fold Mode	Accuracy	2.0% of setting +0.1%F.S.	
	Response Time	<1400ms	
	Range	15~1000Hz Full Range ADJ	15~1200Hz Full Range ADJ
requency	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz, 5Hz at 1001~1200Hz
	Accuracy	0.03% of setting	
Programmable Output mpedance	Range	Not Support	0Ω +200μH~1Ω +1mH
Harmonic k Inter- larmonics Simulation	Range	Not Support	2400Hz
MEASUREME	NT		
	D	AC 0~300VAC	
,	Range	DC 0~424VDC	
/oltage	Resolution	0.1V	
	Accuracy	0.2% of setting +0.2%F.S.	
	Range	15~1000Hz	15~1200Hz
	Resolution	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz	0.1Hz at 15.0~99.9Hz, 1Hz at 100~1000Hz, 5Hz at 1001~1200Hz
	Accuracy	0.1% of setting	
Range Current (r.m.s) Resolution		H 0.15A~16A	
	_	M -	
	Range	L 0.1A~5A	
		mA 0.02A~1.5A	
	Resolution	0.01A	
		H/M 0.4%+0.3%F.S.	
	Accuracy	L/mA 0.4%+1.0%F.S.	





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Range	MODEL		SP300VAC2000W Advanced	SP300VAC2000W		
Accuracy		Range	0A~81.5A			
Power Range 0-2040W Resolution 0.1W Accuracy 0.4% of setting +0.3%F.S. at PF>0.2, Voltage >5V Range 0-2040VA Resolution 0.1VA Accuracy 0.4% of setting +0.3%F.S. at PF>0.2, Voltage >5V Range 0-2040VA Resolution 0.1VA Accuracy Voltage-lms, Calculated value Range 0-2040VAR Resolution 0.1VAR Accuracy Voltage-lms, Calculated value Range 0-2040VAR Resolution 0.1VAR Accuracy √(VA)^2-(W)^2 Calculated value Range 0.00-1.00 Resolution 0.01 (FF) Accuracy W/VA, Calculated value Range Not Support 2-40 orders EXTRA FUNCTION Accuracy W/VA, Calculated value Accuracy Accurac		Resolution	0.01A			
Power			H/M 0.4%+0.6%F.S.			
Power		Accuracy	L/mA 0.4%+1.0%F.S.			
Accuracy 0.4% of setting +0.3%F.S. at PF>0.2, Voltage >5V		Range	0~2040W			
Range	Power	Resolution	0.1W			
Power (VA) Resolution 0.1VA Accuracy Voltage∗Irms, Calculated value Power Resistive (VAR) Range 0~2040VAR Power Resistive (VAR) Resolution 0.1VAR Accuracy √(VA)²-(W)² - (Calculated value Power Factor (PF) Resolution 0.001 Accuracy W/VA, Calculated value Harmonic Range Not Support 2~40 orders EXTRA FUNCTION AC Voltage 0.001~1200.000V/ms and Disable DC Voltage 0.001~1200.000V/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Remote Sense Range 50/(rms), Max. Total power less than rated power Transient Generator (only for 15~70Hz) Trans-Start : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Start : 0.0~65.5ms @15Hz, Resolution : 0.1ms 15~70Hz) Trans-Start : 0.0~65.5ms @15Hz, Resolution : 0.1ms Trans-Start : 0.0~65.5ms @15Hz, Resolution : 0.1ms Trans-Cours : -212V~+212V(L), -424V~+424V(H), Resolution : 0.1ms 15~70Hz) Frequency included the digital interface or front panel display Trans-Cours : -2999; Constant Calibration		Accuracy	0.4% of setting +0.3%F.S. at PF>0.2, Voltage >5V			
Resolution C1VA	Dower	Range	0~2040VA			
Accuracy Voltage+Irms, Calculated value	Apparent	Resolution	0.1VA			
Power (VAR) Resolution 0.1VAR Resistive (VAR) Resolution 0.01.00 Power Factor (PF) Range 0.00-1.00 ————————————————————————————————————			Voltage∗irms, Calculated value			
Resistive (VAR) Resolution Accuracy 0.1VAR Power Factor (PF) Range 0.00-1.00 Resolution (PF) 0.01 Resolution Accuracy W/VA, Calculated value Harmonic Range Not Support 2~40 orders EXTRA FUNCTION Slew Rate Range AC Voltage 0.001~1200.000V/ms and Disable Frequency DC Voltage 0.001~1600.000V/ms and Disable Frequency Frequency 0.001~1600.000Hz/ms and Disable Ramge 5V(rms), Max. Total power less than rated power Sense Range 5V(rms), Max. Total power less than rated power Trans-Start : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Start : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Time : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Count : 0~9999, Constant Calibration Firmware-based calibration through the digital interface or front panel display Test Function Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 1 Phase Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	Dower	Range	0~2040VAR			
Range	Resistive	Resolution	0.1VAR			
Power (PF) Resolution 0.01 Factor (PF) Accuracy W/VA, Calculated value Harmonic Range Not Support 2~40 orders EXTRA FUNCTION Slew Rate AC Voltage 0.001~1200.000V/ms and Disable Frequency 0.001~1000.000V/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Remote Sense Range 5V(rms), Max. Total power less than rated power Transients Trans-Start : 0.0~66.5ms @15Hz, Resolution : 0.1ms Transients (only for 15~70Hz) Trans-Volt : -212V~+212V(L), -424V~+424V(H), Resolution : 0.1ms Transient : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Count : 0~9999, Constant Calibration Firmware-based calibration through the digital interface or front panel display Test Function Yes Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 1 Phase Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL <th colspa<="" td=""><td>(VAR)</td><td>Accuracy</td><td colspan="3">$\sqrt{(VA)^2-(W)^2}$, Calculated value</td></th>	<td>(VAR)</td> <td>Accuracy</td> <td colspan="3">$\sqrt{(VA)^2-(W)^2}$, Calculated value</td>	(VAR)	Accuracy	$\sqrt{(VA)^2-(W)^2}$, Calculated value		
Resolution QPF Resolution QPF Resolution QPF Q	D	Range	0.00-1.00			
Accuracy W/VA, Calculated value Range Not Support 2~40 orders EXTRA FUNCTION AC Voltage 0.001~1200.000V/ms and Disable Slew Rate Range DC Voltage 0.001~1000.000V/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Remote Sense Range SV(rms), Max. Total power less than rated power Fransient Generator (only for 15~70Hz) Trans-Start: 0.0~66.5ms @15Hz, Resolution: 0.1ms Trans-Volt: -212V~+212V(L), -424V~+424V(H), Resolution: 0.1rms Trans-Count: 0~9999, Constant Calibration Firmware-based calibration through the digital interface or front panel display Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card)	Factor	Resolution	0.01			
EXTRA FUNCTION AC Voltage 0.001~1200.000V/ms and Disable DC Voltage 0.001~1000.000V/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Remote Sense Range 5V(rms), Max. Total power less than rated power Transient Generator (only for 15~70Hz) Trans-Volt: -212V~+212V(L), -424V~+424V(H), Resolution: 0.1ms Trans-Volt: -212V~+212V(L), -424V~+424V(H), Resolution: 0.1V Trans-Time: 0.0~66.5ms @15Hz, Resolution: 0.1ms Trans-Count: 0~9999, Constant Firmware-based calibration through the digital interface or front panel display Test Function Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 1 Phase Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	(ГТ)	Accuracy	W/VA, Calculated value			
AC Voltage 0.001~1200.000V/ms and Disable DC Voltage 0.001~1000.000V/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable SV(ms), Max. Total power less than rated power Trans-Ent : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Volt : -212V~+212V(L), 424V~+424V(H), Resolution : 0.1V Trans-Time : 0.0~66.5ms @15Hz, Resolution : 0.1ms Trans-Count : 0~9999, Constant Firmware-based calibration through the digital interface or front panel display Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Yes GENERAL Graphic Display 5.6" Color touch LCD	Harmonic	Range	Not Support 2-40 orders			
Slew Rate Range DC Voltage 0.001~1000.000V/ms and Disable Frequency 0.001~1600.000Hz/ms and Disable Remote Sense Range 5V(rms), Max. Total power less than rated power Trans-sent Generator (only for 15~70Hz) Calibration Firmware-based calibration through the digital interface or front panel display Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	EXTRA FUNC	TION				
Frequency 0.001~1600.000Hz/ms and Disable Remote Sense Range 5V(rms), Max. Total power less than rated power Trans-Start: 0.0~66.5ms @15Hz, Resolution: 0.1ms Trans-Start: 0.0~66.5ms @15Hz, Resolution: 0.1ms Trans-Volt: -212V~+212V(L), -424V~+424V(H), Resolution: 0.1V Trans-Time: 0.0~66.5ms @15Hz, Resolution: 0.1ms Trans-Count: 0~9999, Constant Firmware-based calibration through the digital interface or front panel display Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card)			AC Voltage 0.001~1200.000V/ms and Disable			
Remote Sense Range 5V(rms), Max. Total power less than rated power Transient Generator (only for 15-70Hz) Range Range Firmware-based calibration through the digital interface or front panel display Test Function Yes Parallel Output for 1 Phase Series Output for 1 Phase Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	Slew Rate	Range	DC Voltage 0.001~1000.000V/ms and Disable			
Transent Trans-Start : 0.0-66.5ms @ 15Hz, Resolution : 0.1ms Generator (only for 15~70Hz) Calibration Test Function Parallel Output for 1 Phase Parallel Output for 1 Phase Series Output for 1 Phase Series Output for 3 Phase Eink Output for 3 Phase GENERAL Graphic Display Trans-Iotal: 10tal power less than rated power Trans-Gount: 0-06.6ms @ 15Hz, Resolution : 0.1ms Trans-Count: 0-9999, Constant Trans-Volt: -212V-+212V(L), 424V-+424V(H), Resolution : 0.1tV Trans-Time: 0.0-66.5ms @ 15Hz, Resolution : 0.1ms Trans-Count: 0-9999, Constant Firmware-based calibration through the digital interface or front panel display Yes Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card)			Frequency 0.001~1600.000Hz/ms and Disable			
Generator (only for 15-70Hz) Range Trans-Volt : -212V-+212V(L), -424V-+424V(H), Resolution : 0.1V Trans-Time : 0.0-66.5ms @ 15Hz, Resolution : 0.1ms Trans-Count : 0-9999, Constant Calibration Firmware-based calibration through the digital interface or front panel display Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Series Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card)		Range	5V(rms), Max. Total power less than rated power			
Test Function Yes Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	Generator (only for	Range	$\label{eq:Trans-Volt: -212V-+212V} \hline L), -424V \sim +424V(H), Resolution: 0.1V \\ \hline Trans-Time: 0.0~66.5ms @15Hz, Resolution: 0.1ms$			
Parallel Output for 1 Phase Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	Calibration Firmware-based calibration through the digital interface or front panel display					
Series Output for 1 Phase Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card) Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	Test Function		Yes			
Link Output for 3 Phase Yes (Option: Remote I/O&Parallel, Multiphase Link Card) GENERAL Graphic Display 5.6" Color touch LCD	Parallel Output for 1 Phase		Yes, 4 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card)			
GENERAL Graphic Display 5.6" Color touch LCD	Series Output for 1 Phase		Yes, 2 Units Max. (Option: Remote I/O&Parallel, Multiphase Link Card)			
Graphic Display 5.6" Color touch LCD	Link Output for 3 Phase		Yes (Option: Remote I/O&Parallel, Multiphase Link Card)			
	GENERAL					
Operation Key Feature Soft key, Numberic key, Rotary Knob, Support USB disk	Graphic Display		5.6" Color touch LCD			
	Operation Key Feature		Soft key, Numberic key, Rotary Knob, Support USB disk			



Specification

MODEL	SP300VAC2000W Advanced	SP300VAC2000W Professional		
Rack mount Handles	Yes			
FAN	Temperature Control			
Protection Circuits	OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OT	P, PRI_OCP, USB_OCP		
Interface	USB, RS485, RS232, LAN(Standard); GPIB(Option)			
REMOTE CONTROL INPU	IT/OUTPUT SIGNAL CHARACTERISTICS(OPTION)			
	Signal input for external trigger for execution of programme	ed value		
Remote Input Signal	Signal : ON/OFF, RESET, KEEP OFF, Recall program memory 1 through 7			
	Signal output indicating that a test mode is present			
Remote Output Signal	Signal : PASS, FAIL, TEST-IN-PROCESS			
External Signal -Waveform input	Signal input for output voltage waveform programming by Between the sync signal and the output wave will be 0.5m:			
ENVIRONMENTAL				
Operating Temperature	0°C to 40°C			
Storage Temperature	-40°C to 85°C			
Altitude	2000m			
Relative Humidity	5%~95%, non-condensing			
Temperature Coefficient	100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency			
MECHANICAL				
Dimensions(W*H*D)	483.0*133.0*520.0 mm/19.0*5.2*20.5 inch			
Package Dimensions (W*H*D)	597.0*276.0*694.0 mm/23.5*10.9*27.3 inch			
Unit Net Weight	21.2kg/46.7lbs			
Accessories Weight	0.4kg/0.9lbs			
Net Weight	24.2kg/53.4lbs			
REGULATORY COMPLIANCE				
EMC	CE marked for EMC Directive 2014/30/EU /EN61326-1: 2013 Class A for emissions and immunity standard as require for EU CE Mark. FCC Verification of conformity for CFR 47 Part 15 of the FCC Rules.			
Safety	CE marked for LVD Directive 2014/ 35/EU /EN61010-1-third edition as required for EU CE Mark.			
CE Mark	Installation Overvoltage Category II; Pollution Degree 2; Class II equipment; indoor use only.			
UL Mark	CSA NRTL certified for US and Canada to CAN/CSA-22.2 No.61010-1-12, UL 61010-1 Third Edition.			
Isolation Voltage	3000VAC, input to output, 1500VAC, input to chassis			

Meet to EU Directive 2011/65/EU for restriction of hazardous substances in Electrical and Electronic Equipment

RoHS























^{*} Warranty: 1 (one) year,or refer to relevant contract terms