ASR-6000 Series Parallel Models Specifications

SPECIFICATIONS										
Model			ASR-6600-24			ASR-6600-30		ASR-6600-36		
Input Ratings			Three shees	Three wire Dalte expression. Three share Fe						
Power type Voltage range ^{®1}				Three wire Delta connection, Three phase Fo ac \pm 10 % (Phase Voltage), 380 to 415 Vac \pm 1						
Frequency range			47 Hz to 63 Hz							
Power factor ^{*2} Efficiency ^{*2}			0.95 or higher (typ.) 80 % or higher							
Maximum power consumption			32 kVA or lo		40 kVA or lo	wer	48 kVA or lo	wer		
AC Output			Single-phase	Polyphase	Single-phase	Polyphase	Single-phase	Polyphase		
Multi-phase output		output	output	output	output	output	output			
Output capacity		24 kVA	1P3W: 16 kVA 3P4W: 24 kVA	30 kVA	1P3W: 20 kVA 3P4W: 30 kVA	36 kVA	1P3W: 24 kVA 3P4W: 36 kVA			
Mode			1P2W	1P3W	1P2W	1P3W	1P2W	1P3W		
Setting mode ^{*3}				3P4W (Y-connection) Unbalance, Balanced		3P4W (Y-connection) Unbalance, Balanced		3P4W (Y-connection) Unbalance, Balanced		
		Setting Range ^{*4}		5.0 V / 0.0 V to 350.0 V (sine and square wave		0.01 V / 0.1 V				
Phase voltage	Accuracy*5		0.00 Vpp to 500.0 Vpp / 0.00 Vpp to 1000 Vpp (triangle and arbitrary wave), Setting Resolution: 0.01 Vpp / 0.1 Vpp / 1 Vpp ±(0.3 % of set + 0.5 V / 1 V)							
Accuracy ²			1P3W: 0.00 V to 350.0 V / 0.00 V to 700.0 V 3P4W: 0.00 V to 303.1 V / 0.00 V to 606.2 V (sine wave only) Setting Resolution: 0.01 V / 0.1 V		1P3W: 0.00 V to 350.0 V / 0.00 V to 700.0 V 3P4W: 0.00 V to 303.1 V / 0.00 V to 606.2 V (sine wave only) Setting Resolution: 0.01 V / 0.1 V		1P3W: 0.00 V to 350.0 V / 0.00 V to 700.0 V 3P4W: 0.00 V to 303.1 V / 0.00 V to 606.2 V (sine and square wave) Setting Resolution: 0.01 V / 0.1 V			
Maximum current*7			240 A / 120 A	80 A / 40 A	300 A / 150 A	100 A / 50 A	360 A / 180 A	120 A / 60 A		
Maximum peak current Load power factor*9	8			f the maximum RMS current ng phase or lagging phase, 45 Hz to 65Hz)						
Load power lactor		Setting range	AC Mode: 15.00 Hz to 550.0 Hz, AC+DC Mode: 1.00 Hz to 550.0 Hz, Setting resolution: 0.01 Hz / 0.1 Hz							
Frequency Accuracy Accuracy Stability ^{*10} Output on phase setting range ^{*11}			± 0.01% of set ± 0.005%							
		Stability	0.0° to 359.9° variable (Free / Fix selectable), 0.1° (1 Hz to 500 Hz), 1° (500 Hz to 550 Hz)							
Output off phase setting range ^{*11}		0.0° to 359.9	° variable (Free / Fix selectable), 0.1° (1 Hz to 3P4W:	500 Hz), 1° (500 Hz t	,		3P4W:			
Setting range of the pha	Setting range of the phase angle ^{°12}			3P4W: L2 phase: 0° to 359.9° L3 phase: 0° to 359.9° Setting Resolution: 0.1°		3P4W: L2 phase: 0° to 359.9° L3 phase: 0° to 359.9° Setting Resolution: 0.1°		3P4W: L2 phase: 0° to 359.9° L3 phase: 0° to 359.9° Setting Resolution: 0.1°		
Phase angle accuracy ^{*13}				45 Hz to 65 Hz: ±1.0° 15 Hz to 550 Hz: ±2.0°		45 Hz to 65 Hz: ±1.0° 15 Hz to 550 Hz: ±2.0°		45 Hz to 65 Hz: ±1.0° 15 Hz to 550 Hz: ±2.0°		
DC offset ^{*14}			± 20 mV (typ		1	13 112 (0 330 EZ. ±2.0"	1	13112 10 330 FIZ: ±2.0"		
DC Output (only sing	le phase output)		•						
Output capacity Mode			Floating out	24 kW out, the N terminal can be grounded		30 kW		36 kW		
Voltage		Setting Range	-250.0 V to +	250.0 V / -500.0 V to +500.0 V, Setting Resolu	tion: 0.01 V / 0.1 V					
Maximum current ^{°16}		Accuracy ^{*15}	±(0.3 % of s	et + 0.3 V / 0.6 V) 240 A / 120 A		300 A / 150 A		360 A / 180 A		
Maximum peak current	17		Four times of	f the maximum current						
Output Stability, Tota	l Harmonic Dis	tortion, Output Vo								
Line regulation Load regulation ^{*18}				ss (Phase voltage) voltage, 0 % to 100 %, via output terminal)						
Distortion of Output ^{*19}	.• *20			Hz to 100 Hz, <0.5 % @100.1 Hz to 550 Hz						
Output voltage respons Ripple noise ^{*21}	etime		Slow: 300 µs 0.5 Vrms / 1							
*11. L1, L2 and L3 phase can b *12. Can be set only with indep *13. For an output voltage of 9 *14. In the case of the AC moo *15. For an output voltage is of *16. If the output voltage is nip And the ambient tempera *17. Instantaneous eithin 3 m	ted output voltage, no e set independ at inde wend mode in polyphas 0 V or higher, sine wava e and output voltage s 250 V to -10 V, +10 V to ther than rated value, t ure is 40 degree or hig i, limited by the maxim	load and the resistance lo end mode in the polypha e output. e, same load and voltage etting to 0 V, 23 °C ± 5 °C > +250 V / -500 V to -20 V his is limited to satisfy thh her, the maximum curren um current at rated outpu	aad for the maximum curren ise output. + +20 V to +500 V, no load, A e power capacity. If there is t t may decrease.	t, and the operating temperature range. C voltage set to 0 V (AC+DC mode) and 23 °C ± 5 °C te AC superimmposition, the active current of AC+DC satis		al on the rear name				
*19. 50 % or higher of the rate *20. For an output voltage of 1 *21. For 5 Hz to 1 MHz comp	d output voltage, the n 00 V / 200 V, a load po onents in DC mode usi	naximum current or lower ower factor of 1, with resp ng the output terminal or	, AC and AC+DC modes, TH ect to stepwise change from the rear panel.	D+N. For the polyphase output, it is a specification for pha an output current of 0 A to the maximum current (or its re	se voltage setting.					
Measured Value Disp	ay (All accurac)	of the measurem	ent function is indic	Single-phase output			olyphase outpu	*6		
	Resolution		0.01 V / 0.1	v			sijpnase outpu			
Voltage ^{*1*2}	RMS value accuracy		45 Hz to 65 Hz and DC: ± (0.5 % of rdg + 0.5 V / 1 V) 15 Hz to 550 Hz: ± (0.7 % of rdg + 1 V / 2 V)							
5	AVG value accuracy		DC: ± (10.5 % of rdg + 0.5 V / 1 V)							
	PEAK value accuracy ^{*3} Resolution		45 Hz to 65 0.01 A / 0.1	Hz and DC: ±(2 % of rdg + 1 V / 2 V) A						
*4	RMS value accuracy		45 Hz to 65	Hz: ±(0.5 % of rdg + 0.3 A / 0.15 A)		45 Hz to 65 Hz: ±(0.5 % of rdg + 0.1				
Current ^{*4}	AVG value accuracy			Hz: ±(0.7 % of rdg + 0.6 A / 0.4 A) 6 of rdg + 0.6 A / 0.4 A)	15 Hz to 550 Hz: ±(0.7 % of rdg + 0.3 A / 0.15 A) DC: ± ((0.5 % of rdg) + 0.3 A / 0.15 A)					
	PEAK value acc	uracy ^{*5}	45 Hz to 65	Hz and DC: ±(2 % of rdg + 3 A / 1.5 A)		45 Hz to 65 Hz and DC: ±(2 % of rd				
Power ^{*7*8}	Active (W)	Resolution Accuracy ^{*9}	0.1 W / 1 W 45 Hz to 65	/ 10 W Hz and DC: ±(2 % of rdg + 9 W)		45 Hz to 65 Hz and DC: ±(2 % of rdg	g + 3 W)			
	Apparent (VA)	Resolution	0.1 VA / 1 V.	A / 10VA						
	Beactive area	Accuracy Resolution	45 Hz to 65 0.1 VAR / 1	Hz: ±(2 % of rdg + 18 VA) /AR / 10VAR		45 Hz to 65 Hz: ±(2 % of rdg + 6 VA)	1			
	Reactive (VAR)	Accuracy ^{*10}	45 Hz to 65	Hz: ±(2 % of rdg + 18 VAR)		45 Hz to 65 Hz: ±(2 % of rdg + 6 VA	R)			
Power factor		Range Resolution	0.000 to 1.00 0.001	JU						
Harmonic voltage Effective value (rms) Percent (%)		Range	Up to 100th	order of the fundamental wave						
		Full Scale Resolution	200 V / 400 V, 100 % 0.01 V /0.1 V, 0.1%							
		Accuracy ^{*12}	Up to 20th: ±(0.2 % of rdg + 0.5 V / 1 V)							
		Range		n: ±(0.3 % of rdg + 0.5 V / 1 V) order of the fundamental wave						
Harmonic current		Full Scale	252 A / 126	A, 100 % (ASR-6600-24), 315 A / 157.5 A, 100	% (ASR-6600-30),	84 A / 42 A, 100 % (ASR-6600-24), 10	05A / 52.5 A, 100 % (ASR-6600-30),		
Effective value (rms) Resolution (AC-INT and 50/60 Hz only)**** Accuracy***			378 A / 189 0.01 A / 0.1	A, 100 % (ASR-6600-36) A / 1 A, 0.1%		126 A / 63 A, 100 % (ASR-6600-36)				
			Up to 20th:	E(1 % of rdg + 3 A / 1.5 A)		Up to 20th: ±(1 % of rdg + 1 A / 0.5)				
				n: ±(1.5 % of rdg + 3 A / 1.5 A)		21th to 100th: ±(1.5 % of rdg + 1 A /	U.5 A)			
*1. In the polyphase output, th *2. Accuracy values are in the *3. The accuracy is for output *4. Accuracy values are in the *5. The accuracy is for output *6. In the polyphase output, th *7. For an output voltage of 50 *8. The apparent and reactive	ase that the output vo waveform DC or sine w case that the output cu waveform DC or sine w ese are the specificatio IV or greater, an outpu	Itage is within voltage set rave only. rrent is 5 % to 100 % of t vave only. ns for each phase. t current in the range of 1	ting range. ne maximum current.							

*7. For an output voltage of 50 V or greater, an output current in the range of 10 % to 100 % of the maxim *8. The apparent and reactive powers are not displayed in the DC mode. *9. For the load with the power factor 0.5 or higher. *10. For the load with the gower factor 0.5 or lower. *11. The measurement does not conform to the IEC or other standard. Phase Voltage and Phase Current. *12. For an output voltage of 10 V volt 75 V / 20 V to 30 V. *13. An output current in the range of 5 % to 100 % of the maximum current.

Others											
Protections			UVP, OVP, OCP, OTP, OPP, Fan Fail, Peak and RMS Current Limit								
Display			TFT-LCD, 7 inch								
Memory function			Store and recall settings, Basic settings: 10								
	Number of memories		253 (nonvolatile)								
Arbitrary wave	Waveform length		4096 words								
	Amplitude resolution		16 bits								
General Specificatio	ns										
Interface		USB	Type A: Host, Type B: Slave, Speed: 2.0, USB-CDC / USB-TMC								
		LAN	MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask								
	Standard	External	External Signal Input External Control I/O V/I Monitor Output								
		RS-232C	Complies with the EIA-RS-323 specifications								
	Optional 1	GPIB	SCPI-1993, IEEE 488.2 compliant interface								
	Optional 2	CAN Bus	Complies with CAN 2.0A or 2.0B based protocol								
	Optional 3 Device Net		Complies with CAN 2.0A or 2.0B based protocol								
Insulation resistance	lation resistance Between input and chassis, output and chassis, input and output		DC 500 V, 30 MΩ or more								
Withstand voltage	Between input and chassis, output and chassis, input and output		AC 1500 V or DC 2130 V , 1 minute								
ЕМС			EN 61326-1 (Class A) EN 61326-21/-22 (Class A) EN 61000-32 (Class A, Croup 1) EN 61000-33 (Class A, Croup 1) EN 61000-42/-43/-44/-45/-46/-48/-4-11 (Class A, Group 1) EN 50011 (Class A, Group1)								
Safety			EN 61010-1								
Environment	Operating environment		Indoor use, Overvoltage Category II								
	Operating temperature range		0 °C to 40 °C								
	Storage temperature range		-10 °C to 70 °C								
	Operating humidity range		20 %rh to 80 % RH (no condensation)								
	Storage humidity range		90 % RH or less (no condensation)								
	Altitude		Up to 2000 m								
Dimensions (mm) (not including protrusions)			598(W)×1294(H)×906(D)	598(W)×1472(H)×906(D)	598(W)×1650(H)×906(D)						
Weight			Approx. 250 kg	Approx. 305 kg	Approx. 370 kg						

A value with the accuracy is the guaranteed value of the specification. However, an accuracy noted as reference value shows the supplemental data for reference when the product is used, and is not under the guarantee. A value without the accuracy is the nominal value or representative value (shown as typ). Product specifications are subject to change without notice.