

ARCHER-ARO SERIES

On-Line 3:1 Phase

10~20KVA



Control Panel



Rear Panel



Relay card



SNMP



Parallel board

مشخصات

- تکنولوژی On-Line, Double Conversion
- قابلیت پارالل شدن
- کنترل دیجیتال (DSP)
- ضریب قدرت خروجی ۰/۸ یا ۰/۹ (انتخابی)
- ورودی سه فاز، خروجی تک فاز
- قابلیت افزایش قدرت شارژر
- قابلیت اتصال به دیزل ژنراتور
- دامنه وسیع ولتاژ و فرکانس ورودی
- تست اتوماتیک دستگاه در هنگام راه اندازی
- مجهز به سیستم اصلاح ضریب قدرت (PFC)
- قابلیت روشن شدن بدون برق شهری (Cold Start)
- دارای حالت ECO Mode به منظور افزایش راندمان
- طراحی براساس ولتاژ بهینه باتری بر حسب توان یو پی اس
- قابلیت اتصال کارت SNMP، کارت پارالل، کارت رله

Technical Specifications:

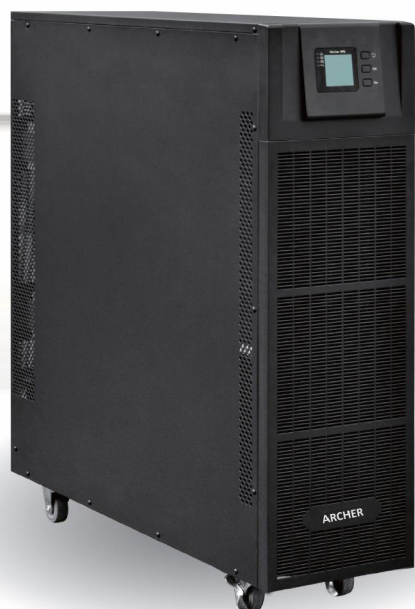
MODEL		ARO 3110 S/H-10KVA	ARO 3115-15KVA	ARO 3120-20KVA
Capacity (VA/Watts)		10K / 8K or 9K	15K / 12K or 13.5K	20K / 16K or 18K
INPUT				
Nominal voltage		380/400/415Vac;(3Ph+N+PE)		
Operating voltage range		208~478Vac		
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)		
Power factor		≥0.99		
Bypass voltage range		Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)		
Bypass frequency range		Frequency protection range:±10%		
ECO range		Same as the bypass		
Harmonic distortion (THDi)		<5%(100% linear load)		
Generator input		Support		
OUTPUT				
Rated voltage		220/230/240Vac		
Power factor		0.8 or 0.9		
Voltage regulation		±1%		
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional) 50/60(±0.1)Hz		
	Bat. Mode			
Crest factor		3:1		
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load		
Efficiency		>92%	>93.5%	
BATTERY				
Battery voltage		±96/108/120Vdc (optional)		
Capacity (standard unit)		12V/7Ah		
Typical recharge time		6~8 hours (to 90% of full capacity)		
Charge current		1A(10kVA Standard unit) ; Max.current 10A(Long run unit)		
SYSTEM FEATURES				
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms		
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately		
	Bypass Mode	63A(Breaker)	100A(Breaker)	125A(Breaker)
Short circuit		Hold Whole System		
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately		
Low battery voltage		Alarm and Switch off		
Self-diagnostics		Upon Power On and Software Control		
Battery		Advanced Battery Management		
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault		
LED & LCD display		Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time		
Communication interface		Dry contact,USB,SNMP card(optional), Parallel board(optional), Relay card (optional)		
ENVIRONMENTAL				
Operating temperature		0℃~40℃		
Storage temperature		-25℃~55℃		
Humidity range		0~95% (non-condensing)		
Altitude		<1500m		
Noise level		<55dB	<58dB	
PHYSICAL				
Dimension D×W×H (mm)		597×250×655(S)/502×250×616(H)	502×250×616	
Net weight (kg)		76(S)/35 (L)	45	46
STANDARDS				
Safety		IEC/EN62040-1,IEC/EN60950-1		
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		

Specifications are subject to change without prior notice.

ARCHER-ARO SERIES

On-Line 3:3 Phase

10~40KVA



Control Panel

مشخصات

- تکنولوژی On-Line, Double Conversion
- ضریب قدرت خروجی ۰/۹
- ورودی سه فاز، خروجی سه فاز
- کنترل دیجیتال (DSP)
- دامنه وسیع ولتاژ و فرکانس ورودی
- مدیریت شارژ کردن باتری هوشمند
- مجهز به کلید قطع اضطراری (EPO)
- دارای صفحه نمایش دابل LCD/LED
- مجهز به سیستم اصلاح ضریب قدرت (PFC)
- قابلیت روشن شدن بدون برق شهری (Cold Start)
- دارای حالت ECO Mode به منظور افزایش راندمان
- طراحی بر اساس ولتاژ بهینه باتری بر حسب توان یو پی اس
- تکنولوژی کنترل دیجیتال قسمت های شارژر، رکتیفایر، اینورتر
- قابلیت استفاده از یک بانک باتری برای چند یو پی اس (Battery Sharing)
- قابلیت اتصال نامتقارن بار در خروجی به صورت ۱۰۰٪ (Unbalanced load)
- قابلیت اتصال کارت SNMP، کارت رله (انتخابی)
- دارای پورت ارتباطی USB, RS232, RS485, Parallel, Dry contact

Technical Specifications:

MODEL		ARO 3310	ARO 3315	ARO 3320	ARO 3330	ARO 3340
Capacity (VA/Watts)		10K / 9K	15K / 13.5K	20K / 18K	30K / 27K	40K / 36K
INPUT						
Nominal voltage		380/400/415Vac, (3Ph+N+PE)				
Operating voltage range		208~478Vac				
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)				
Power factor		≥0.99				
Bypass voltage range		Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)				
Bypass frequency range		Frequency protection range:±10%				
ECO range		Same as bypass				
Harmonic distortion (THDi)		≤3%(100% non-linear load)				
OUTPUT						
Output voltage		380/400/415Vac, (3Ph+N+PE)				
Power factor		0.9				
Voltage regulation		±1%				
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)				
	Bat. Mode					
Crest factor		3:1				
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load				
Efficiency		≥93.5%	≥94.5%			
BATTERY						
Battery voltage		Standard unit: ±120Vdc Long run unit: ±96Vdc/ ±108Vdc/±120Vdc(16/18/20 pcs optional)	Standard unit: ±120Vdc(20 pcs × 2group) Long run unit: ±96Vdc/±108Vdc/ ±120Vdc(16/18/20 pcs optional);		Standard unit: ±120Vdc(20 pcs × 3group) Long run unit Optional Voltage: ±96Vdc/±108Vdc/±120Vdc (16/18/20 pcs optional)	
Backup time		Long run unit depends on the capacity of external batteries.				
Charge current		1.35/2.7/4.05A(10/15/20/30kVA);Long run unit Max.10A				
SYSTEM FEATURES						
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms				
Overload		Load≤110%:60min; ≤125%:last 10min; ≤150%:last 1min;>150% turn to bypass mode				
Short circuit		Hold Whole System				
Communication interface		USB,Parallel port, Dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)				
ENVIRONMENTAL						
Operating temperature		0℃~40℃				
Storage temperature		-25℃~55℃				
Humidity range		0~95% (non-condensing)				
Altitude		< 1500m				
Noise level		<55dB	<58dB			
PHYSICAL						
Dimension D×W×H (mm)		828×250×868			828×330×920	
Net weight (kg)		57	63	64	71	78
STANDARDS						
Safety		IEC/EN62040-1,IEC/EN60950-1				
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8				

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