

# ARCHER-ARO SERIES

On-Line

1~3KVA



## مشخصات



Control Panel  
Up to 50 items set by LCD



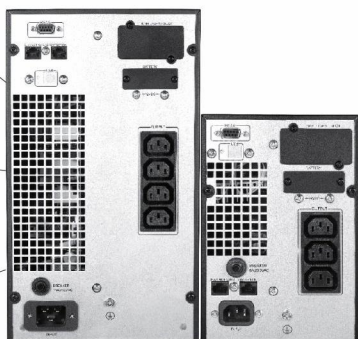
USB



SNMP



Dry contact card



Rear Panel

- تکنولوژی On-Line, Double Conversion
- کنترل دیجیتال (DSP)
- ضریب قدرت خروجی 0.8/
- دامنه وسیع ولتاژ ورودی
- قابلیت افزایش قدرت شارژر
- حفاظت Multi-Function
- قابلیت اعمال تنظیمات بای پس
- آلارم اتصال معکوس فاز و نول ورودی
- تست اتوماتیک دستگاه هنگام راه اندازی
- مجهز به سیستم اصلاح ضریب قدرت (PFC)
- قابلیت روشن شدن یو پی اس 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
- دارای پورت USB (انتخابی)
- مجهز به درگاه نصب کارت USB, SNMP, Dry Contact (انتخابی)

## Technical Specifications:

MODEL	ARO 1101 S/H-1KVA		ARO 1102 S/H-2KVA		ARO 1103 S/H-3KVA	
Capacity (VA/Watts)	1000 / 800		2000 / 1600		3000 / 2400	
INPUT						
Nominal voltage	220 / 230 / 240Vac					
Operating voltage range	115~295Vac					
Operating frequency range	50 / 60Hz±10% (auto sensing)					
Power factor	≥0.99					
OUTPUT						
Output voltage	200/208/220/230/240Vac±1%					
Output frequency	Synchronized with the utility on AC mode; 50/60Hz±0.2% on battery mode					
Crest factor	3:1 (max)					
Harmonic distortion (THD)	<3% (linear load)					
Efficiency	>86% ( online), >94% (high efficiency mode)					
BATTERY						
DC voltage	36Vdc		72Vdc		96Vdc	
Battery type & number	12V/9AhX3		12V/9AhX6		12V/9AhX8	
Backup time	50% load≥25min(Standard), Long run unit depends on the capacity of external batteries.					
Charge current	1A(S)	6A(H)	1A(S)	6A(H)	1A(S)	6A(H)
SYSTEM FEATURES						
Overload capability	1. 105%~150%, 30s turn to bypass mode and alarm (mains mode)					
	2.>150% 300ms turn to bypass mode and alarm (mains mode)					
Transfer time	1. 105%~150%, exceed 30s,shut down and alarm (battery mode)					
	2.>150%, exceed 300ms,shut down and alarm (battery mode)					
Communication interface	RS232, optional (USB port, USB card, SNMP card, Dry contact card )					
ENVIRONMENTAL						
Operating temperature	0~40℃					
Storage temperature	-25℃~55℃					
Humidity range	0~95% (non-condensing)					
Altitude	<1500m					
Noise level	<45dB					
PHYSICAL						
Dimensions D×W×H (mm)	361×144×215		428×191×337			
Net weight/Shipping weight (kg)	12.7/13.5(S)	5.2/6(H)	24.5/26.1(S)	9.5/11.1(H)	29/30.6(S)	9.7/11.3(H)
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 1:1 Phase

6~10KVA



Control Panel



Rear Panel



Relay card



SNMP



Parallel module

## مشخصات

- تکنولوژی On-Line, Double Conversion
- قابلیت پارالل شدن
- کنترل دیجیتال (DSP)
- ضریب قدرت خروجی ۰/۹
- قابلیت افزایش قدرت شارژر
- قابلیت اتصال به دیزل ژنراتور
- ورودی تک فاز، خروجی تک فاز
- 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 بر اساس ولتاژ بهینه باتری بر حسب توان یو پی اس
- قابلیت اتصال کارت SNMP، کارت پارالل، کارت رله



## Technical Specifications:

MODEL		ARO 1106 S/H-6KVA	ARO 1110 S/H-10KVA
Capacity (VA/Watts)		6K / 5.4K	10K / 9K
INPUT			
Nominal voltage		220/230/240Vac	
Operating voltage range		120~276Vac	
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%)	
ECO range		Same as the bypass	
Harmonic distortion (THDi)		<3%(100% linear load)	
Generator input		Support	
OUTPUT			
Rated voltage		220/230/240Vac	
Power factor		0.9	
Voltage regulation		±1%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)	
	Bat. Mode	50/60(±0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load	
Efficiency		>93.5%	
BATTERY			
Battery voltage		±96/108/120Vdc (optional)	
Typical recharge time		6~8 hours (to 90% of full capacity)	
Charge current		1A(Standard unit); Long run unit Max.current10A(charge current can be set according to battery capacity installed)	
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	40A(Breaker)	60A(Breaker)
Short circuit		Hold Whole System	
Overheat		Line Mode: Turn to Bypass; Backup 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 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	
PHYSICAL			
Dimension D×W×H (mm)		502×250×616	
Net weight (kg)		62 / 18	64 / 20
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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