

# ADIRA 10-20 kVA

10kVA 3/1-phase

20kVA 3/1-phase



## On-line double conversion 10, 20kVA 3/1-phase hardwired

With its compact design, the ADIRA can be used on a very limited space. Its back-up time can be extremely flexible extended with external battery packs.

Due to the continuous development of our UPS technology the ADIRA offers you an improved sinus quality and a power factor of 0.9.

The usage of IGBT rectifiers reduces the distortion of dependent mains. The current drain is almost ideally sinusoidal.

In addition to all that the availability also increases due to the hot-swappable batteries.

### Benefits:

- Huge input voltage range
- Power factor >0.9
- Eco Mode (efficiency >96%)
- Hot-swappable“ batteries
- Low THD(i) even at partial load
- Frequency converter mode
- Relay contacts as standard

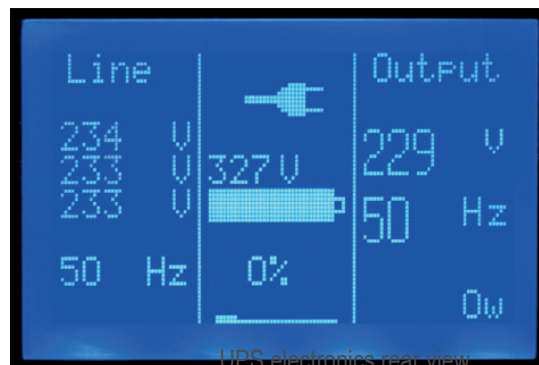
### Features:

- UPS classification VFI-SS111 (IEC 62040-3)
- On-line double conversion
- PFC rectifier with IGBT technology
- High efficiency
- Sine wave output
- Digital signaling processor
- Clearly arranged LCD display
- Compact design
- USB interface as standard
- RS232 interface as standard
- Expansion Slot for SNMP card / relay contacts
- 12 months warranty



Left:  
 Left unit: Rear view of Adira 10kVA 3/1 ph  
 Right unit: Adira 20kVA 3/1 ph

Bottom:  
 The LCD display shows all important information for UPS operation.



# Specifications

Model		ADIRA 10kVA 3/1ph	ADIRA 20kVA 3/1ph	
<b>Input</b>	Acceptable Input Voltage	190VAC - 478VAC		
	Adjustable Bypass Voltage	110VAC - 276VAC		
	Phase	Three phase with ground (R-S-T-N-G)		
	THDi	<5% with full load		
	Input Power Factor	≥ 0.99 (FULL RCD LOAD)		
	Input Frequency Range	45 – 55Hz / 54 – 66Hz		
	Generator Set	Yes / 1.8 x UPS Rating Power		
<b>Output</b>	Power	Power(kVA) max	10.0	
		Power(kW) max	9.0	
		Power Factor	0.9	
	Output Voltage	Waveform	Pure sine wave	
		Nominal voltage	208VAC / 220VAC / 230VAC / 240VAC	
		Voltage regulation	±1%	
		Transient recovery	70ms (IEC 62040-3 non-linear load)	
		Voltage distortion	<2% THD, linear load / <5% THD, non-linear load	
	Output Frequency	Synchronization range	45 – 55Hz / 54 – 66Hz (Adjustable)	
		Battery mode	50 / 60 ± 0.05Hz	
	Transfer Time	Among Line mode to battery mode	0ms	
		Inverter to bypass, ECO mode	0ms	
		ECO to Inverter mode	<10ms	
	Full Load Efficiency	Line mode with battery full charged	>93%	
Battery mode @ 12Vdc/Battery		>93%		
ECO mode		>97%		
Overload Capability (Line Mode)		100%~110% : 5min / 110%~130% : 60s / 130-150% : 10s / >150% : 2s		
Overload Capability (Battery Mode)	100%~110% : 5min / 110%~130% : 60s / 130-150% : 10s / >150% : 2s			
<b>Battery</b>	Rating/Type (Sealed maintenance free lead acid batteries)	12VDC / 9Ah		
	Quantity	1x24	2x24	
	Back-up Time (full load)	Starting from 5 minutes / expandable		
	DC Voltage	288VDC		
	Charging time	<3h charge to 90%	<5h charge to 90%	
	Charging current (max)	2A / 4A (Optional)	4A / 8A (Optional)	
<b>Communication</b>	Integrated	USB, RS232, EPO		
	Optional cards for intelligent slot	SNMP, Dry Contacts		
<b>Indicator &amp; Alarm</b>	Display	Yes / LCD		
	Acoustic	Yes		
<b>Mechanical</b>	Dimensions (HxWxL)	890 x 350 x 650		
	Protection	IP20		
	Weight	115	183	
	Operating Temperature Range	0°C ~ 40°C		
	Humidity	0 ~ 95% (No condensing)		
<b>Regulations / standards</b>	Audible Noise	App. 52 dB @ 1meter		
	Safety	EN 62040-1		
	EMC	EN 62040-2 Class C3		
	Certifications	CE		