

# ADIRA 6-10 kVA

6kVA 1/1-phase  
10kVA 1/1-phase



**On-line double conversion 6, 10kVA  
1/1-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.

**Benefits:**

- Huge input voltage range
- Power factor >0.9
- Eco Mode (efficiency >96%)
- 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
- Relay contacts as standard
- Expansion Slot for SNMP card
- 12 months warranty



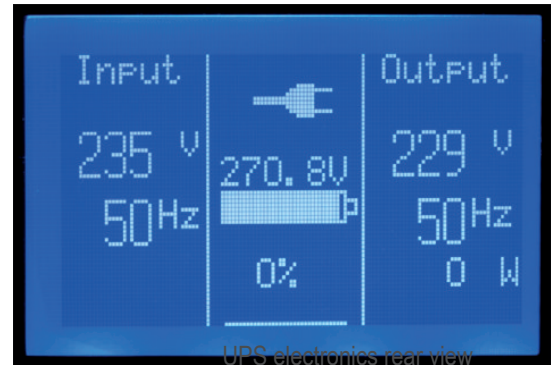
Left:

Left unit: Rear view of Adira 6 kVA 1/1 ph

Right unit: Adira 10kVA 1/1 ph

Bottom:

The LCD display shows all important information for UPS operation.



# Specifications

Model		ADIRA 6kVA 1/1ph	ADIRA 10kVA 1/1ph	
<b>Input</b>	Acceptable Input Voltage	110VAC - 276VAC		
	Adjustable Bypass Voltage	110VAC - 276VAC		
	Phase	Single phase with ground		
	THDi	<5% with full load		
	Input Power Factor	≥ 0.99 (FULL RCD LOAD)		
	Input Frequency Range	45 – 55Hz / 54 – 66Hz		
	Generator Set	Yes / 1.5 x UPS Rating Power		
<b>Output</b>	Power	Power(kVA) max	6.0	
		Power(kW) max	5.4	
		Power Factor	0.9	
	Output Voltage	Waveform	Pure sine wave	
		Nominal voltage	208VAC / 220VAC / 230VAC / 240VAC	
		Voltage regulation	±1%	
		Transient recovery	100ms (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 ± 0.2Hz	
	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	>89%	
Battery mode @ 12Vdc/Battery		>84%		
ECO mode		>95%		
Overload Capability (Line Mode)		105%~125% : 2min / 125%~150% : 30s / 150~170% : 100ms / >170% : 100ms		
<b>Battery</b>	Overload Capability (Battery Mode)	105%~125% : 2min / 125%~150% : 30s / >150% : 100ms		
	Rating/Type (Sealed maintenance free lead acid batteries)	12VDC / 7Ah	12VDC / 9Ah	
	Quantity	20		
	Back-up Time (full load)	Starting from 4 minutes / expandable		
	DC Voltage	273VDC		
	Charging time	<5h charge to 90%	<8h charge to 90%	
	Charging current (max)	1.4A	1.4A	
<b>Communication</b>	Integrated	USB, Dry Contacts, EPO		
	Optional cards for intelligent slot	SNMP		
<b>Indicator &amp; Alarm</b>	Display	Yes / LCD		
	Acoustic	Yes		
<b>Mechanical</b>	Dimensions (HxWxL)	708 x 260 x 550		
	Protection	IP20		
	Weight	80	84	
	Operating Temperature Range	0°C ~ 40°C		
	Humidity	0 ~ 95% (No condensing)		
<b>Regulations / standards</b>	Audible Noise	App. 52dB @ 1meter		
	Safety	EN 62040-1		
	EMC	EN 62040-2 Class C3		
	Certifications	CE		