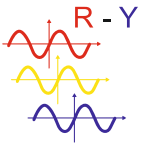




REDDE AUTOMATIC RESCUE DEVICE

CORE FEATURES



**DUAL / SINGLE
PHASE OUTPUT**



PURE SINE WAVE

RUGGED
> 10K
INSTALLATIONS

**RUGGED
RELIABLE**



**INBUILT BATTERY
SUPPORTED**



**7 STAGE CHARGING
FOR BATTERY HEALTH**

- Selectable ARD Shutdown Timer (Auto – Manual) Lift
- Improved Charger for Low AH Batteries
- Compact size, also available in Wallmounting cabinet
- Complete installation support by industry experts

- Pure Sinewave output
- Long Run Battery
- 12 rescues on a single charge
- Dual-Phase Output
- 7 Stage optimized Charging
- Easy Installation

REDDE - AUTOMATIC RESCUE DEVICE									
Technical Specifications	LIFT UPS					ARD			
Parameters	Units	Rating				Rating			
Model	iLIFT	5HP	7.5HP	10HP	15HP	5HP	7.5HP	10HP	15HP
Operating DC Voltage	Volts	48V	48V	72V	72V	48V	48V	72V	72V
No of Batteries	Nos	4	4	6	6	4	4	6	6
MICROCONTROLLER PFC BASED CHARGER									
Switching Element	MOSFET								
Control Type	DSP								
Type of Charger	PFC								
Efficiency	95%								
Battery Charging Stages	5 (Health Maintain Check for 7AH)								
Power Factor	0.8								
Battery									
Low Cut Off	Volts	10/Batt +/- 2%							
Low Cut Off Recovery	Volts	12/Batt +/- 2%							
Low Buzzer	Volts	10.2/Batt +/- 2%							
High Cut Off	Volts	15.5/Batt +/- 2%							
High Cut Off Recovery	Volts	15.0/Batt +/- 2%							
Charging current by Grid	Amps	1 +/- 2%							
Output									
Output @ No load	Volts	220 +/-2%				440 +/-2%			
Output Frequency	Hz	50 +/-2%				50 +/-2%			
Output @ Full Batt to Low Batt	Volts	220 +/-10%				440 +/-10%			
Output Low Cut	Volts	150				300			
Output High Cut	Volts	260				520			
Output Low Retry	-	1 Time				1 Time			
Output Short Circuit	-	1 Time				1 Time			
UPS/ARD Backup Time	Min	2 MINUTES				3 MINUTES			
No Load Battery Current	%	2%				2%			
Overload	Amps	3.6 / KVA				3.6 / KVA			
Mains									
No of Phase	-	1Phase-2Wire P,N				3Phase-4Wire R,Y,B,N			
Voltage range	Volts	120-280 +/-2%				120-280 +/-2%			
Mains low recovery range	Volts	10				10			
Mains high recovery range	Volts	5				5			
Frequency range	Hz	50 +/-3				50 +/-3			
Battery Charging Stages	-	5				5			
Inverter									
Switching Element	-	MOSFET				MOSFET			
Control	-	PWM				PWM			
Output voltage	Volts	220 +/-2%				220 +/-2%			
Phase	-	1Phase-2Wire P,N				2Phase-2Wire R,Y			
Output Waveform	-	Sine Wave				Sine Wave			
Frequency	Hz	50				50			
Changeover UPS/ARD to Mains	-	<10ms				<10ms			
Changeover Mains to UPS/ARD	-	<10ms				=12s			
Output Power factor	Pf	0.8				0.8			
Switch	-	UPS ON/OFF				ARD ON/OFF			
Indication	-	Inverter On, Battery Low / High, Overload, Mains Charging On, Mains On				Inverter On, Battery Low / High, Overload, Mains Charging On, Mains On			
Alarm	-	Batt Low, Overload, Charger On, Inverter On				Batt Low, Overload, Charger On, Inverter On			
Protection	-	Overload,Short Circuit Protection,Over Voltage,Mains Surge and Transient protection (MOV Varistors), Reverse Polarity of Battery,Over temperature Protection, Under voltage and over voltage Protection							
Operating Temp	C	0-50				0-50			
Operating Humidity	%	< 95				< 95			
Protection class	-	IP20				IP20			
Weight	KG	20	30	40	50	20	30	40	50