



Specifications for 3 Phase Inverter

Salient features

- Advanced Technology: DSP based control for power and monitoring.
- IGBT (insulated gate bipolar transistor) inverter technology
- Pure sine wave output,
- Bidirectional Inverter
- MPPT based IGBT Charger of PCU rating
- Wide Input Range, Robust Design for Harsh Environment
- With Isolation Transformer at Output
- Engineered Design, Easy for Maintenance and Minimize MTTR
- CNC Fabricated sheet enclosure for better aesthetics and consistency
- Operational priority settable as per user requirement.
- Intelligent communication, with RS232 and optional SNMP and dry contact
- Perfect protection against all faults displayed on LCD display with alarm function.
- Excellent load feature, It is completely capable to load from 0-100%
- Specifications can be customized to suit specific requirements.

Model	ARS 332					
Rating	6 KVA	8KVA	10KVA	15KVA	20KVA	30KVA
AC INPUT	415V + 15%A -15%, Three Phase Input					
Frequency	50Hz ± 6%					
DCĀ VOLTAGE:	72V	96V	180V	180V	240V	240/360V
Charging Time	12 Hours for 90% of full Capacity					
Charger Type	CVCC (Constant Current Constant Voltage type)					
INVERTER:						
Technology	DSP based, IGBT Switching					
Output Voltage	400 / 415VĀ AC Three Phase					
Frequency	50Hz± 0.1Hz					
Waveform	PWM Sine wave					

Harmonic Distortion	Less than 3% on Linear Load		
Inverter Efficiency	Upto 85%	upto 90%	Upto 92%
Power Factor	0.8		
Overload	110 % for 5 min, 150% for 30 sec		
Crest Factor	3:01		
Phase Displacement	120°±1°		
Audible Noise	Less than 55 dB at 1 Meter		
DISPLAY :			
Digital LCD Display for	R,Y,B Input and Output Voltages, Output currents & Frequency, DC Voltage , Battery and Load Percentage and All Faults		
GENERAL:			
Dimensions (LxWxH)	675 x 300 x 575 mm	900 x 450 x 1000mm	
Operating temperature	0°C to 45°C		
Humidity	Max 95%, Non-condensing		
PROTECTIONS :	Output Overload & Short circuit, Output Under & Overvoltage, DC Under & Overvoltage, Mains Under & Overvoltage, Mains Single Phasing.		
INDICATIONS & ALARMS:			
a) Mains on	LED Indication		
b) Inverter	LED Indication		
c) Batt Low	LED Indication & Alarm		
d) Fault	LED Indication & Alarm		
e) Overload	LED Indication & Alarm		

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