

# AC Back-up Power Systems

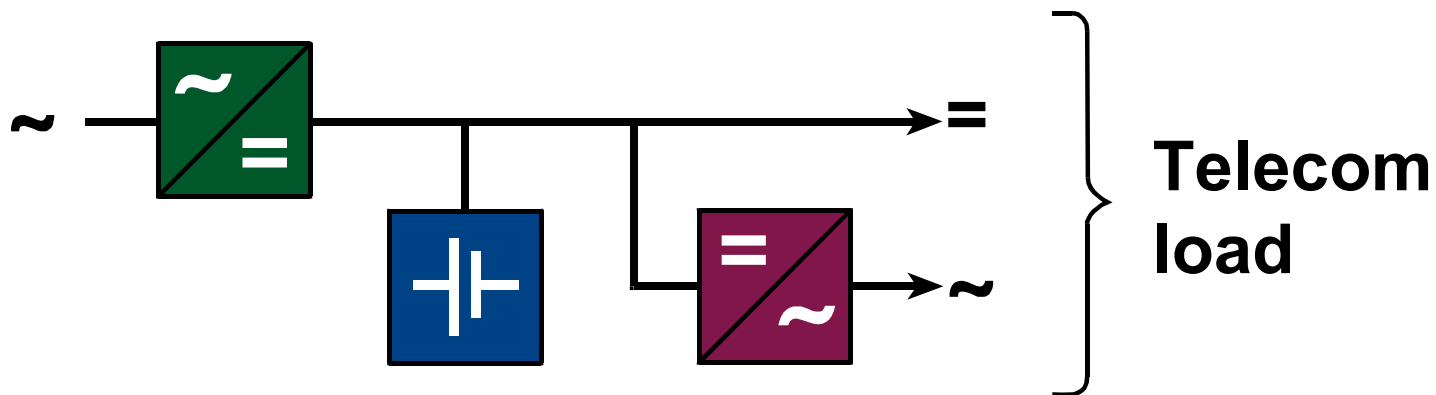
Inverter program

UPS program

Diesel Engine Alternator Sets

Photovoltaic Generators

# A DC Power Plant Equipped with Inverters



# Customer Requirements

- Capacity 100 VA - 25 kVA
- 48 VDC battery source (24 V)
- Low price (to compete with UPS)
- WW AC voltages and frequency
- Modularity
- Very high reliability
- Choice of architecture

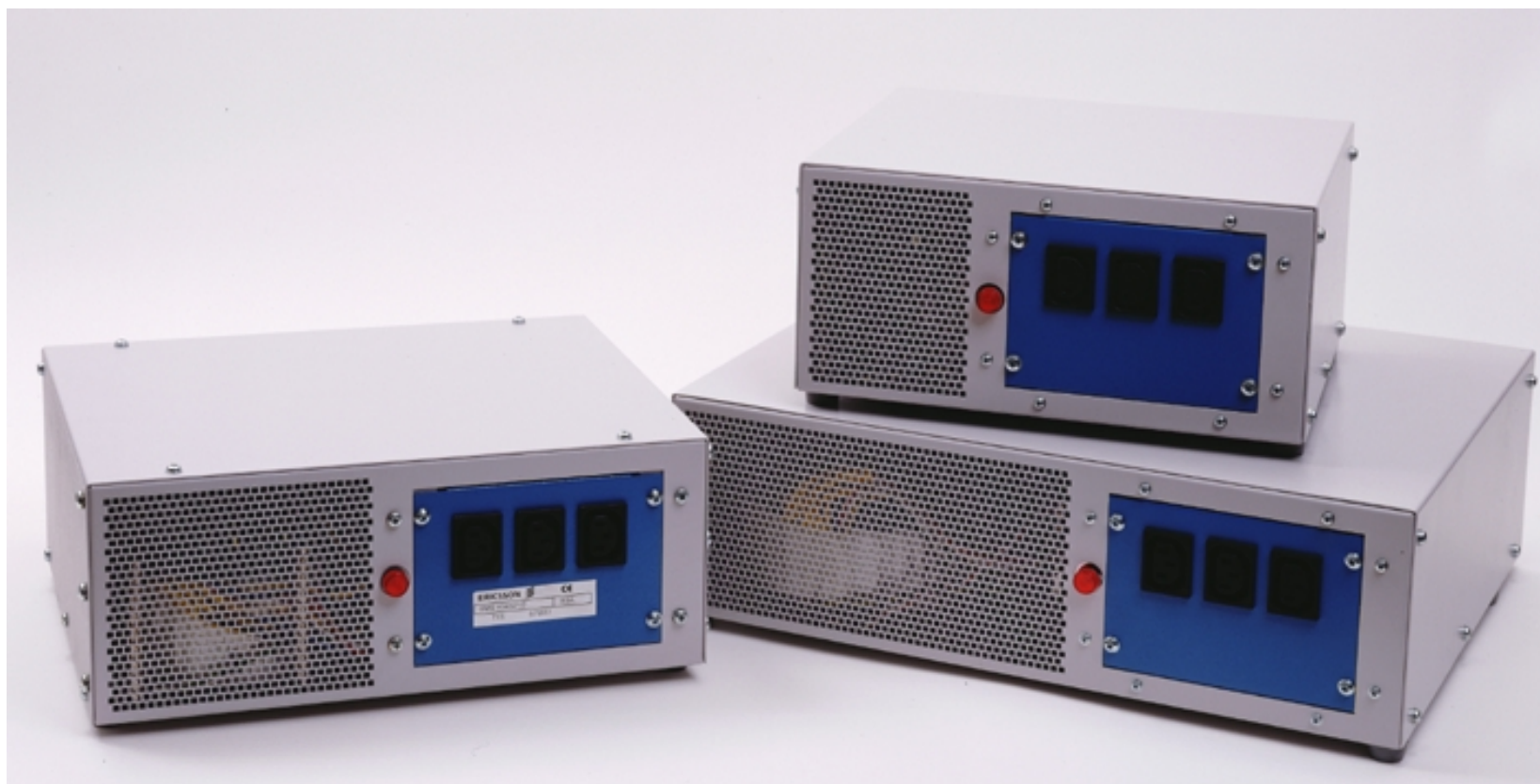
# Inverter Program, for Reliable AC back- up

- Telecom Reliability
- For long battery reserve times
- Stand Alone Units
- Systems with various options
- Field selectable AC voltages and frequency
- 24, 48 and 60 VDC input versions
- From 250 VA to 12 500 VA

# Inverter Program Characteristics, Apparatus Level

SIZE VA	<u>24V</u> <u>DC</u>	<u>48V</u> <u>DC</u>	<u>60V</u> <u>DC</u>	115V AC	220V AC	230V AC	240V AC	50 Hz	60 Hz
250	X	X		X	X	X	X	X	X
500	X	X		X	X	X	X	X	X
1000	X	X		X	X	X	X	X	X
1000		X	X			X		X	X
2500		X	X			X		X	X

# Inverters 250, 500 and 1000 VA, BMS 404020+

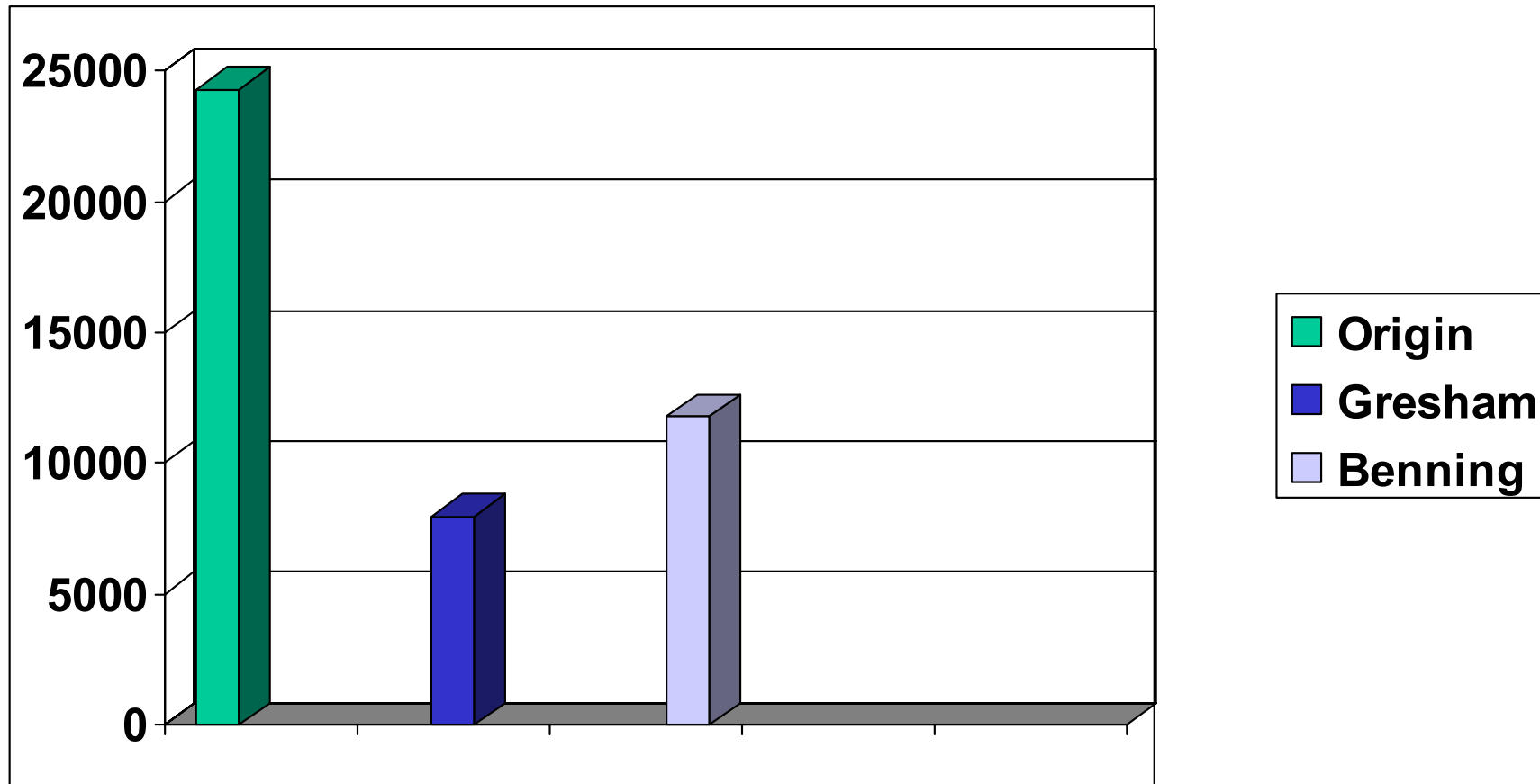


# Inverter Program Characteristics

(old program, apparatus level)

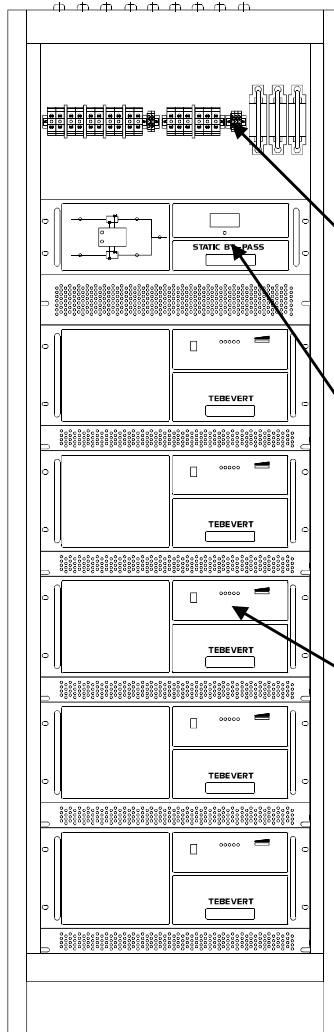
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250		X			X			X	
500		X			X			X	X
1000		X			X			X	X
500		X		X					X
1000		X		X					X

# Comparison cost SEK, 1000 VA inverter, 220 V





# Inverter cabinet, 12.5 kVA



**Maintenance by-pass**

**Static by-pass**

**Inverter 2500 VA**

**Cabinet size: 600 x 600 x 1800**