



Competitor Comparison

Specification	Herytage	Ferrups
Sizes Available (VA)	2kVA / 1.6kW 3kVA / 2.4kW 4kVA / 3.2kW 6kVA / 4.8kW 8kVA / 6.4kW 10kVA / 8kW 16kVA / 12.8kW 20kVA / 16kW	2.1kVA / 1.5kW 3.1kVA / 2.2kW 4.3kVA / 3.0kW 5.3kVA / 3.7kW 7kVA / 5.0kW 10kVA / 7.5kW 12.5kVA / 10kW 18kVA / 15kW
Input Voltage (Nominal)	120, 208, 240 (120 option with 4k)	120, 208, 240 (120 option with 4.3 – 7k)
Input Voltage Window	+15% to -20% @ full load +15% to -40% @ 50% load	+15% to -20% @ full load +15% to -38% @ 25% load
Frequency	60 Hz +/- 3 Hz (Adjustable)	60 Hz +/- 3 Hz (Adjustable)
Output PF	.8	.70, .70, .71, .75, .80, .83
Output Voltage	120, 208, 240	120, 208, 240
Regulation	Typically +/- 1% voltage regulation	+/- 3% voltage regulation
Output Waveform	Computer grade sine wave output power with less than 5% total harmonic distortion @ rated kw load.	Computer grade sine wave output power with less than 5% total harmonic distortion @ rated kw load.
Overload	150% surge and 125% load for 10 min on Line. 110% for 10 minutes on inverter	150% surge and 125% load for 10 minutes on line. 110% for 10 minutes on inverter.
UPS Dimensions H x W x D	25.2 x 16.2 x 23 (2k – 4k) 37.5 x 17.8 x 33.3 (6k – 10k) 39 x 22 x 32 (16k – 20k)	29.5 x 15.5 x 25 (4.3k – 5.3k) 36.5 x 19 x 32 (7k – 18k)
Efficiency AC (100% load)	91 – 93%	90 – 92%
Efficiency AC (50% load)	85%	65%
Efficiency DC (100% load)	85%	85%



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Noise Attenuation	120db common mode, 60db transverse (normal) mode	120db common mode, 60db transverse (normal) mode
Isolation	Less than 2 pf effective capacitive coupling primary to secondary. Secondary has neutral to ground bond, qualifying as a separately derived power source	Less than 2 pf effective capacitive coupling primary to secondary. Secondary has neutral to ground bond, qualifying as a separately derived power source
Surge Protection	6000 volts are suppressed to safe levels per ANSI/IEEE C62.41 – 1997 Category A & B waveforms	2000:1 Spike Attenuation using ANSI/IEEE C62.41 and C62-45 Category A and Category B tests.
Operating Temperature	0° to 40° C (32° to 104° F)	0° to 40° C (32° to 104° F)
Relative Humidity	0 to 95% without condensation	0 to 95% without condensation
Agency	UL 1778, cUL listed	UL, cUL
User Interface	Keypad w/ LCD display, RS232 serial communications, easy access contact closures, dial in modem option	Keypad w/ LCD display on 4.3-18kVA, RS232 serial communications DB-25), plus contact closures
Custom Configurations	Customer Requested Options can be offered	Limited to Current Standard Offering
External Battery Cabinets	All external battery cabinets can be daisy chained for longer runtimes.	External battery cabinets may need to be replaced or upgraded to add runtime.



Competitor Comparison - Key Points

- Herytage 2kVA - 20kVA covers wider range of applications than Ferrups 2.1kVA – 18kVA.
- Output power factor of .8 allows use of smaller, lower priced KVA model in many applications.
- Initial cost per KVA over 20% less on many models
- Higher AC efficiency at full and partial loads means cost of ownership savings to customer.
- No additional cost for voltage options



Competitor Comparison - Key Points

- Customer does not need to settle for standard options. Legacy can configure the UPS to include custom options required by customer.
- Heritage UPS was designed with service in mind to allow easy access and serviceability.
- All external battery cabinets can be daisy chained for longer runtimes. Adding additional runtime after initial purchase is as simple as connecting a cabinet.
- Display and keypad standard on 2-20KVA
- **NEW!** 11 minutes internal battery on 8 and 10KVA