

Feature Benefit Analysis Digital Energy™ LP 33 Series™

Model: 10-20-30 kVA

Feature	Benefit
Input Power Factor correction up to 0.98	<ul style="list-style-type: none">• Cost effective fusing & wiring.• No need to oversize genset.
VFI concept (IEC 62040) (Voltage Frequency Independent)	<ul style="list-style-type: none">• Optimal protection against ALL disturbances.• High efficiency in all applications.• Frequency converter functionality.
Wide input voltage window	<ul style="list-style-type: none">• Less battery operations.• Enhanced battery lifetime.• Less alarms.
IEM Mode Intelligent Energy Management	<ul style="list-style-type: none">• Efficiency up to 98%.• Direct energy savings.• Indirect energy savings (air-conditioning).
Low input Current THD (<8%)	<ul style="list-style-type: none">• Reduced losses in wiring.• Less disturbance to other users.• No overheating of cables.• No additional filters required.
Output Power Factor 1	<ul style="list-style-type: none">• No need to oversize for resistive loads.• In line with IEC 61000-3-2 that call for power factor corrected computer loads.



Low Audible Noise

- Allows integration in office environment.

Backfeed protection

- Compliance to future standards.
- Optimal safety for maintenance personnel.

Low Output Voltage THD
<2% linear load
<3% non linear load

- Excellent acceptance of computer loads.
- No oversizing required.

Crestfactor acceptance 3:1

Superior Battery Management

Temperature Compensated Charging
Programmable Battery Test
Battery Earth Fault Detection
Load Dependent End-of-discharge

- Prevents Damage.
- No surprises.
- Safety first.
- Enhances Battery Lifetime.

