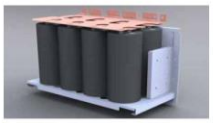
LINE PRO LP30K

Production pictures:

A LCD Display
B Air Filter
C Electronic control PCB
D N+X assistant power supply PCB
E Battery monitor connect terminal
F 220V Socket
G Input power switch
H Bypass power switch
I Maintain bypass switch
J Output switch



Model	LP30K
Rate Power	30 KVA
Physical Parameters	
Weight (Kg)	323
Dimension (mm)	555 x 730 x 1220

Rated Input Voltage	380/400/415VAC 3-phase 4-wire	
Rated Frequency	50/60HZ	
Input Parameters		
Input Voltage Range	±25%(Maximum.operating range:290Vac-475Vac)	
Input Frequency Range	45Hz ~ 65Hz	
Power Step Time	5-300S	
Input Power Factor	> 0.8	
THDI	< 20%	
Bypass		
Bypass Voltage Range	-20% ~ +15%(default)	
Bypass Frequency Range	50/60HZ±10%	
Output Parameters		
Inverter Output Voltage	380/400/415VAC 3-phase 4-wire	
Voltage Stability	±1%(Steady status),±3%(Transient status)	
Frequency	50/60Hz	
Mains power synchronization window	±5%	
Actually measured frequency accuracy (internal clock)	50/60Hz±0.05Hz	
Output Power Factor	0.9 (Output 90kW per 100kVA)	
Transient Response Time	<5ms	
Inverter Overload Capability	At 0.9 power factor, 110% for 1 hour, 125% for 10 minutes and 150% for 60s	
Short circuit current from inverter	3ph 1.5In for 5seconds , 1ph 2.9In for 5seconds	
DC Voltage	360/384/432/480VDC	
Maximum Bypass Capability	1000% for 100ms	
Phase Shift Characteristic	With 100% balanced load	<1°
	With 100% imbalance load	<1°
THDv	100% linear load	<1%
	100% non-linear load	<3%
System Efficiency (full load)	Up to 94%	
Rectifier Output Parameters		
Charger output voltage stability	1%	
DC Ripple Voltage	≤1%	
Operating Environmen		
Operating Temperature Range	0 ~ 40℃	
Storage Temperature	-25 ~ 70℃	
Relative Humidity	0 ~ 95% (Non-condensing)	
Maximum Operating Height	≤Altitude 1000m, Between 1000m and 2000m,the load was reduced by 1%, with the increase of 100m.	
Noise (1m)	58-68dB	
Protection level	IP20	
Standard	Safety: IEC60950-1 IEC62040-1-1 UL1778 EMC IEC62040-2 CLASS C2 EN50091-2 CLASS A Design and Test IEC62040-3	