



LCI Furnaces
DIVISION OF LOCHABER CORNWALL INC

**SPECIFICATION,
UPS**

DOC NBR:	15-004	802-101421	R 0
MODEL:	TF-618	APVL	JCLARK 9/9/14
S/N:	2015260	PM	JCLARK 9/9/14
SIZE: A	PRNT 04/08/16	SHT	1 of 1

CUSTOMER GE FUEL CELLS

Part Number	Qty	Description
UPS-650D	1	Uninterruptible Power Supply, 650 VA, 400 W, Multistar™

Specifications

Power	650VA/400W		
Technology	Line Interactive		
Input	Input Voltage Range	145V-275Vac/90Vac-140Vac±3%	
	Nominal Input Voltage	220/230/240/110/120Vac	
	Input Frequency	50/60Hz	
	Max.Input Current	2.6A/5.2A	
Output	Nominal Output Voltage	220/230/240/110/120Vac	
	Max.Output Current	1.8A/3.6A	
	Output Voltage Range(Normal Mode)	220/230/240/110/120Vac+10%-15%	
	Output Voltage Range(Battery Mode)	220/230/240/110/120Vac±10%	
	Output Frequency(Normal Mode)	Synchronized (Sine Wave)	
	Output Frequency(Battery Mode)	50/60Hz	
	Wave Form	Step Wave	
	Power Factor	0.6	
Efficiency	>90%		
Transfer Time	< 10ms		
Batteries & Runtime	Battery Type	Maintenance-free Sealed Lead-Acid Battery Leakproof	
	Included Battery Modules	1×12V/7.0Ah	
	Runtime	Full Load	2 Minutes
		Half Load	7 Minutes
	Charge Time	<5 Hours(90%)	
LCD Status Display	Output Voltage,Normal,Fault,Battery,Overload,Battery		
Audible Alarm	Buzzer	AC Unusual/Battery Low Voltage/Overload/Short Circuit/PCB Failed,Beep for 240Seconds	
Interface Port(s)	Interface	RS-232/USB	
	Control Software	UPSlion2000	
Cold-start Capability	Yes		
Protection	Surge Protection and Filtering	High Voltage,Low Voltage,Surge,Spike	
	Overload Protection	120%-150%	
	Battery Low Voltage Protection	10V	
	Output Short Circuit Protection	Output auto cut off,Buzzer beeping	
	EMI Filter	Yes	
	Tel/Fax/Modem Jack/USB	Yes. Optional	
Regulatory Approvals	CE		
Operating Conditions	Operating Temperature	0-40°C	
	Storage Temperature	-15-45°C	
	Operating Relative Humidity	10%RH-95%RH,Non-condensing	
Dimension	Inner Box(mm)	385*125*230	
	Unit Weight(kgs)	6.8	

0	ORIGINAL RELEASE	JCLARK	9Sep14
REVISION	DESCRIPTION	BY	DATE