FERRUPS CTO Configuration Guide



FERRUPS QFER1.8kVA 50 HZ Rackmount FERRUPS QFES1.8kVA 50 HZ Rackmount





Configuring Your FERRUPS UPS

FERRUPS must be ordered using a Configure To Order (CTO) Number that reflects the cabinet style, VA rating, voltages, runtime, and other options pertaining to the FERRUPS configuration. As you select the options needed, they will become part of the CTO number.

Sample CTO Number: RO000AA0A0A0A0A. See page 1.8k-5 for a CTO worksheet.

External bypass switches and other external options will need to be ordered as separate line items.

Base Unit							
Base Model, Frequency, Cabinet Style	CTO Order Code	Base Price					
QFER1.8kVA, 50 Hz Rackmount (Long Cabinet)	RR	\$2,967					
QFES1.8kVA, 50 Hz Rackmount (Short Cabinet)	RO	\$3,117					

Input / Output Voltage						
Input Voltage Output Voltage CTO Order Code Option Price						
220	220	4	\$0			
230	230	5	\$0			
240	240	6	\$0			

Battery and Battery Charger									
FER Rackmount (Long Cabinet)									
Battery Configuration	Cabinet / Battery Charger	CTO Order Code	Option Price						
31 minute internal (73 m half load)	long / standard	0	\$432						
Set up for internal (less batteries)	long / standard	3	\$216						
set up for external battery pack ¹	long / standard	4	\$ 0						
FES Rackmount (Short Cabinet)									
Battery Configuration	Cabinet / Battery Charger	CTO Order Code	Option Price						
9 minute internal (23 m half load)	short / standard	0	\$432						
Set up for internal (less batteries)	short / standard	3	\$216						
set up for external battery pack ¹	short / standard	4	\$ 0						
¹ Includes External Battery Connector Order desired external battery pack as a separate line. See page 1.8k-4.									

Internal Maintenance Bypass Switch							
Internal Maintenance Bypass Switch CTO Order Code Option Price							
No internal maintenance bypass switch option available ¹	0	\$0					

¹External maintenance bypass switch available for hardwired systems.

Order desired maintenance bypass switch as a separate line item on your order. See page 1.8k-4.

Input Connection								
Input Voltage Selected	Input Connection	CTO Order Code	Option Price					
Any	Hardwired ¹	A	\$0					
	L6-20P ²	К	\$60					
	L6-30P ²	L	\$60					
	UK	N	\$15					
220, 230, or 240 volt	Australian	Р	\$15					
	Schuko	Q	\$15					
	IEC309 16A	S	\$60					
	Schuko 16A	V	\$60					

¹ Limits output connections to two slots ² UPS not TUV/CE listed.

Output Connection

Output Connection Configuration is designated by 8 digits within the unit CTO number. These eight digits allow selection of the type and quantity of the receptacles.

- Three output slots available with line cord input connection.
- Two output slots available with hardwire input connection.
- If multiple quantities of one type of receptacle is desired, enter the type once with the total quantity (ex: D2 not D1D1).
- Always enter the receptacle types alphabetically (ex: D1E1 not E1D1).
- If hardwire output is desired, select type "A", quantity "0" for all four receptacle types (ex: A0A0A0A0).
- If fewer than four types of receptacle are selected, complete the remaining receptacle digits with A0 (ex: D1E1A0A0).

Output Voltage Required	Output Connection	сто о	rder Code	Option Price
Output Voltage Required	Output Connection	Туре	Qty	per Panel
Any	Hardwired ¹	А		\$0
	6-15R Duplex	D		\$75
	6-20R Duplex	Е		\$75
	L6-15R Duplex	J		\$75
	L6-20R	K		\$75
000 000 040	L6-30R	L		\$75
220, 230, or 240 volt	United Kingdom	0		\$70
	Australian	Р		\$70
	Schuko	R		\$70
	French Schuko	Т		\$70
	IEC320 10 Amp	U		\$50
Receptacle Output Connection CTO Order Code			<u>A 0</u>	
Hardwire Output Connection Cl	TO Order Code	<u>A 0 A 0</u>	<u>A 0 A 0</u>	

¹ Hardwired output requires hardwired input

Internal Options								
Option	CTO Order Code	Option Price						
No other option	Α	\$0						
DVR ¹ (recommended when loads contain PFC power supplies)	B ¹	\$150						
Neutral to Ground bond removal (For shipboard use)	Q	\$25						

¹ Cannot be used with short rackmount cabinet option or internal or less battery options.

External Options

External battery packs, bypass switches and other external options are not a part of the CTO number and will need to be ordered as separate line items. Some external options require that the UPS be configured for use with the option.

External Battery Packs ¹								
Runtime Full/Half Battery Charger Required Order Number List Price								
2h12m/4h53m	Standard Battery Charger	1re	\$1,830					
3h38m/8h22m	Standard Battery Charger	2re	\$3,092					

¹ UPS must be ordered set up for external battery pack. See page 1.8k-1.

External Battery Accessories						
Option Order Number List P						
External Battery Connector Extension Required for all external battery configurations except 1re and 2re.	BCS-0108	\$50				

External Maintenance Bypass Switches (Recommended for hardwired units)							
UPS Input Voltage	Switch Type	Order Number	List Price				
000 000 040!t	MBB (Make Before Break)	BPE01MBB1A	\$400				
220, 230, or 240 volt	MBB, with AS/400 (iSeries) Option	BPE01MBBAS1A	\$400				

¹ Bypass Switch must be mounted on the wall near the UPS.

Other External Options							
Option	Order Number	List Price					
IBM AS/400 (iSeries) Interface Kit – UPS without maintenance bypass switch	IPK-0001	\$95					
IBM AS/400 (iSeries) Interface Kit – UPS with maintenance bypass switch	BAA-0325	\$120					
BestLink SNMP/WEB Adapter	IPK-0319	\$349					
Hand-held Remote Control Panel with Cable	RCK-0007	\$250					

QFER(S)1.8kVA Quote Sheet

The UPS CTO Worksheet											
		UPS CTO Order Code						List Price	Discount	Net Price	
Base Unit: QFER(S)1.8kVA 50Hz Rack	R_										
Input / Output Voltage											
Battery and Battery Charger											
Internal Maintenance Bypass Switch				0					-	_	_
Input Connection											
Output Connection											
Internal Options											
Complete UPS CTO Number	R_			0							
			1	<u>. </u>		UF	S Subto	otal			
External Battery Pack											
Battery Pack Selected:											
External Maintenance Bypass	Swite	ch									
External Maintenance Bypass Switch S	electe	d:									
Other External Options											
IBM AS/400 (iSeries) Interface Kit							IPK-00	Ω 1			
– UPS without maintenance bypass sw	ritch						11 11-00	01			
IBM AS/400 (iSeries) Interface Kit – UPS with maintenance bypass switch							BAA-03	325			
BestLink SNMP/WEB Adapter							IPK-03	19			
Hand-held Remote Control Panel with 0	Cable						RCK-00	007			
							Sub To	otal			
									L	Freight	
										Insurance	
										Tax/Duty	
Quote Total											
Special Instructions:											