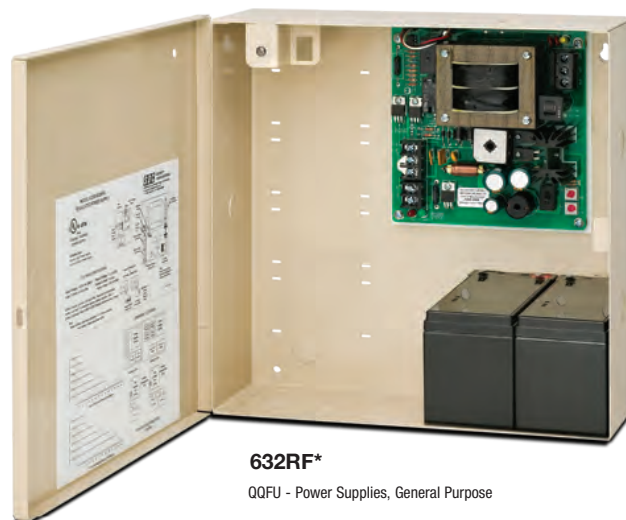


# 632RF Series 2 Amp

## Modular Access Control Power Supply

The **SDC 632RF Power Supplies** have been developed specifically to support electric locks and access controls. The high performance, heavy-duty circuitry is ideal for inductive loads and its modular design provides a well organized installation for individual or multi-door systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and fire/life safety system interfaces.



**632RF\***  
QQFU - Power Supplies, General Purpose

### FEATURES

- Filtered and Regulated**  
The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.
- Field Selectable 12 or 24VDC**  
The output is field selectable for 12 or 24VDC output.
- Battery Charger Output**  
A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.
- LED System Status Indicator**  
Amber - AC and DC voltages are OK  
Green - No DC output  
Red - No AC input, powered by batteries
- Emergency Release Input (Standard)**  
A signal input from the fire life safety system turns off the secondary output releasing all failsafe locks. When not used for emergency release, this input may be used as main on-off control.
- Large Heavy Gauge Enclosure**  
Model 632RFA is housed in a 16 gauge, 16"W x 14"H x 6.5"D cabinet large enough to accommodate several additional modules and six 8 Amp hour batteries with plenty of room for wiring.
- Class 2 Output**  
Where permitted by code, conduit is not required for the Class 2 output.
- California Compliant Manual Reset of Emergency Release and AC Power Loss (Optional)**  
When this feature is required, should an AC power loss occur or the emergency release input is actuated, personnel must restore secondary output power manually at the power supply after the emergency release signal is reset and/or AC power is restored.
- Low Battery Disconnect (Standard)**  
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.
- Isolated Charging Circuit (Standard)**  
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage. The secondary output current is maintained at the full 2 Amp capacity and is not de-rated when charging batteries.



**632RFL**



#### MODELS

**632RFL** Power Supply (less cabinet)



**632RF** Power Supply, plus 12" W Cabinet

**632RFA** Power Supply, plus 16" W Cabinet

\* shown with optional batteries



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## SPECIFICATIONS

### Electrical

<b>Input</b>	115VAC @ 800mA, 50/60 Hz, Fused. (220/230VAC 50/60 Hz optional)
<b>Secondary Output</b>	Selectable 12VDC or 24VDC @ 2 Amp, poly fuse protected, Class 2
<b>Battery Charger Output</b>	PTC protected 250mA @ 13.5 or 27VDC

### Mechanical

<b>632RF Cabinet</b>	12" W x 12" H x 4"D, Steel 20 Ga.
<b>632RFA Cabinet</b>	16"W x 14"H x 6.5"D, Steel 16 Ga.

SDC power supplies equipped with batteries provide continuous operation of access controls, locking devices and peripheral components during a power failure. See Table 2 & 3 to determine battery requirements for standby power.

TABLE 1: CONTROL MODULE CAPACITY\*

Power Supply:	632RF		632RFA	
Battery Qty.	0-2	3-6	0-2	3-4
	RB12V4		RB12V7	
FB4	4	2	4	4
12VR	4	2	4	4
PSM	1	1	1	1
UR-1	4	2	4	2
UR2-4	NA	NA	2	1
UR4-8	NA	NA	2	1
CR-4	2	1	4	2
ACM-1	2	1	4	2
PB-8, PB-16	2	2	2	2

\* Total combined load of modules and access control hardware may not exceed 2 amp.

TABLE 2: 12VDC STANDBY POWER

5 Ah Battery Qty	1	2	4
Amp Hours	5Ah	10Ah	20Ah
Load/Amps	Power Back-up Time in Hours		
0.25	19.6	49	124
0.50	7.8	20	49
1.00	3.8	11.3	19.4
1.50	1.8	4.5	11.3

8 Ah Battery Qty	1	2	4	6
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
0.25	36.7	85	175	400
0.50	15	36	85	157
1.00	6.5	14.4	36	62
1.50	4	9	21	36

TABLE 3: 24VDC STANDBY POWER

5 Ah Battery Qty	2	4
Amp Hours	5Ah	10Ah
Load/Amps	Power Back-up Time in Hrs	
0.25	250	40
0.50	8.5	20
1.00	3.8	8.5
1.50	2.3	5.5

8 Ah Battery Qty	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hrs		
0.25	36.7	85	158
0.50	15	36	62.7
1.00	6.5	14.4	24.8
1.50	4	9	15

## HOW TO ORDER

PRODUCT SKU SAMPLE: 632RFA PS-1A UR4-8

### 1| SPECIFY MODEL

- 632RFL** 2 Amp, Class 2 Output, Less Cabinet
- 632RF** 2 Amp, Class 2 Output, 12"W Cabinet
- 632RFA** 2 Amp, Class 2 Output, 16"W Cabinet

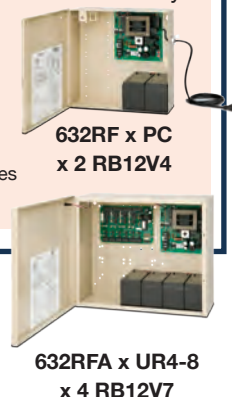
### 2| SPECIFY OPTIONS

- MR** Cover Mounted Manual Reset Switch for Fire/Emergency Release
- PS-1** System On-Off Push Switch inside Power Supply Enclosure
- PS-1A** System On-Off Push Switch on Enclosure Cover
- 14-2** 7 Day – Skip a Day Programmable Timer
- PC** 6 ft. Power Cord
- KL** Key Lock Cover
- 220V/230V** 230VAC, 50/60Hz

### 3| SPECIFY CONTROL MODULES

- 12VR** 12VDC Regulated and Filtered Output Module
- FB-4** Four 2 Amp fuse protected outputs
- PSM** Power Supply Remote Monitoring Module
- UR1** Universal Door Controllers
- UR2-4** Two Station Door Controllers
- UR4-8** Four Station Door Controllers
- CR4** Control Relay - 4 Independent DPDT Relays
- ACM-1** Access Control Module
- PB-8** 8 Amp Power Booster
- PB-16** 16 Amp Power Booster

see page <?> for more info on control modules



## ACCESSORIES

- RB12V4** 12V/5Ah Battery, 632RF Capacity, 4 Max
- RB12V7** 12V/8Ah Battery, 632RFA Capacity, 6 Max



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LIT-632 SERIES POWER SUPPLIES 04/17

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