



## MODULAR ACCESS CONTROL POWER SUPPLY

# 636RF 6 AMP

## POWER SUPPLY



### Modular Access Control Power Supply

- **Field Selectable 12VDC or 24VDC Output - Standard**
- **Dual 12VDC and 24VDC Output - Optional**

#### Quality, Performance and Versatility

The IDC 636RF Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty 6 Amp circuitry is ideal for inductive loads and multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. Documentation is provided to ensure 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 auxiliary emergency release interface. IDC 600 Series power supplies are manufactured according to ISO 9001 - 2000 certified quality standards.

#### Modular Design

Ten different, individually fused door control modules are available for virtually any application. Time delays, latching relays and multiple station circuit breaker modules are available for custom configuration.

#### Dip Switch Select System Operation

Specification of the UR Series Access Hardware Controller provides for six standard DIP switch selectable system and mantrap variations for multiple door systems.



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Access Control Power Supply - ALVY  
General Purpose Power Supply - QQFU/QQFV7

#### 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.

##### **Class 2 Output**

The 636RF Power Supply may be configured to use one 6 Amp output or three 2 Amp, Class 2 outputs. Where permitted by code, conduit is not required for low voltage wiring when using Class 2 outputs. The total current draw from all outputs must not exceed 6 Amps.

##### **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

##### **Large Heavy Gauge Enclosure**

Model 636RF 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 7 Amp hour batteries with plenty of room for wiring.

#### Value Added Features

##### **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.

##### **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.

## Model

**636RF** 4 Amp Power Supply  
One 4 Amp output and two  
2 Amp Class 2 outputs standard

## Options

**MR-1** Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements.  
(See description page 1)

**KL** Key locked cover.

**14-2** 7-day skip-a-day timer.

**PS-1** On-Off Push switch in cabinet.

**PS-1A** On-Off Push switch on cover.

**230V** 220/230VAC, 50/60/HZ input.



**RB12V7**

IDC 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.**

**RB12V7** 12VDC, 7 Amp Hour Battery  
**636RF** 6 max.

## Specifications

**Input:**  
1 Amp @ 115VAC 50/60 Hz  
(230VAC 50/60Hz optional, not UL listed)

**Input Protection:**  
1 Amp, manually resettable circuit breaker

**Selectable Secondary Output:**  
One, 4 Amp @ 12VDC or 24VDC or  
Two, Class 2, 2 Amp @ 12VDC or 24VDC

**Output Protection:**  
Auto resetting Poly Fuse per output

**Battery Charger Output:**  
500 mA @ 13.5 or 27VDC

**Battery Charger Protection:**  
Auto resetting Poly Fuse

**Dimensions:** 16" W x 14" H x 6.5" D  
(406 W x 355 H x 165 D mm)

**Material:** 16 gauge (1.52 mm) steel



**636RF x 2 UR4A x 2 RB12V7**

**Table 1:**  
**Control Module Capacity \***

Power Supply:	634RF		
	Battery Qty.	0-2	3-6
		RB12V7	
FB4	8	4	
12VR	4	4	
PSM	1	1	
UR-2A, UR-4A	2	1	
TD	8	4	
CR	8	4	
CR-4	4	2	
ACM-1	4	2	
LR	8	4	
PB-8, PB-16	4	4	

**Table 2: 12VDC Standby Power**

8 Ah Batteries	1	2	4	6
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
2	2.3	5.7	14.4	24.7
2.5	1.7	4.2	10.7	18.3
3	1.3	3.3	8.4	14.3
3.5	1.1	2.7	6.8	11.7
4	.5	1.3	3.3	5.7
5	.7	1.7	4.2	7.2
6	.5	1.3	3.3	5.7

**Table 3: 24VDC Standby Power**

8 Ah Batteries	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
2	2.3	5.7	9.8
2.5	1.7	4.2	7.3
3	1.3	3.3	5.7
3.5	1.1	2.7	4.6
4	.9	2.3	3.9
5	.7	1.7	2.9
6	.5	1.3	2.3

\* Total combined load of modules and access control hardware may not exceed 4 amp.

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