



## ievo Enclosed Power Supply Unit

The **ievo** Enclosed Power Supply Unit (PSU) has been specifically designed to work with **ievo** biometric infrastructures, with room to feature both a suitable battery for backup and an **ievo** Control Board.

The non-intrusive unit is compliant with relevant European directives (CE) and standards.

Performing the simple function of mounting and powering an **ievo** Control Board for remote **ievo** fingerprint reader devices, the enclosure can be easily installed/mounted to walls or fascia for discrete positioning.

Please note, **ievo** Control Board and backup battery are not supplied as standard:  
Recommended battery - Yuasa NP7-12 (or similar).

For more technical features and details please see overleaf.

### FEATURES:

- High Quality & Reliability
- IP64 Rated (using correctly rated cable glands)
- Vandal resistant - IK07 (in-house certified)
- Wide input voltage range (100-240 VAC)
- Class I switch mode power supply
- Built-in charging & battery protection circuit
- Internally fused
- Mains & battery charge level indicator
- Isolate from front of enclosure
- Small footprint & integrated rear mounting holes for simple installation
- Simple hinged lid
- 2 years warranty
- CE compliant

# RELIABLE. BIOMETRIC. SOLUTIONS.

## SPECIFICATIONS:

	Output	Power	Charging
Output	DC Voltage	13.8V	13.8V
	Rated Current	2.8A	1.5A
	Current Range	0 - 4.3A (Peak)	-----
	Rated Power	59.34W	
	Ripple & Noise (max)	120mVp-p	-----
	Voltage Adj. Range	12 - 15V	-----
	Voltage Tolerance	±1.0%	-----
	Line Regulation	±0.5%	-----
	Load Regulation	±0.5%	-----
	Set up, Rise Time	800mS, 50mS/230VAC ~ 1600mS, 50mS/115VAC at full load	
Hold Up Time (Typ.)	50mS/230VAC - 10mS/115VAC at full load		
Input	Voltage Range	90 - 264VAC ~ 127 - 370VDC	
	Frequency Range	47 - 63Hz	
	Efficient (Typ.)	0.84%	
	AC Current (Typ.)	1.6A/115VAC - 1A/230VAC	
	Inrush Current (Typ.)	Cold Start 30A/115VAC - 60A/230VAC	
	Leakage Current	<1mA / 240VAC	
Protection	Overload	105 - 150% rated output power Protected type: Hiccup mode, recovers automatically after fault condition is removed	
	Over Voltage	14.49 - 18.63V Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Battery Cut Off	10.5±0.5V	
Function	AC OK	TTL open collector output ON: AC OK; OFF: AC Fail; Ice: max. 30mA@50VDC	
	Battery Low	TTL open collector output ON: Battery low; OFF: Battery OK; Ice: max. 30mA@50VDC Battery low voltage : <11V	
Environment	Working Temp.	Range = -20°C to +70°C	
	Working Humidity	Range = -20 to 90%RH non-condensing	
	Storage Temp. Humidity	Range = -20°C to +85°C, 10 - 95%RH non-condensing	
	Temp. Coefficient	±0.03%/°C (0-50°C) on CH1 output	
Safety & EMC	Vibration	10 - 500Hz, 2G 10min./1cycle, 60min. each along X,Y,Z axes	
	Safety Standards	UL60950-1, TUV EN60950-1 approved, CE	
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC/25°C/70%RH	
	EMC Emission	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2, -3	
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A	
Dimensions	Width	289mm	
	Height	239mm	
	Depth	107mm	

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