

# ELECTRICAL SUPPORT SYSTEMS



EMERGENCY ELECTRICAL SYSTEMS AND POWER SAVING SOLUTIONS FOR AIRPORTS, OFFICES, VIP TERMINALS, FREIGHT COMPOUNDS, WAREHOUSES, CAR PARKS, NEW INFRASTRUCTURE PROJECTS

The acquisition by Powervamp of Effekta UK Ltd has brought together the well established brands of both companies.

Alongside the specialised design and manufacture of 400Hz aircraft converters, Powervamp's Effekta division manufactures high performance emergency lighting systems. Voltages and kilowatt outputs are designed to cover a wide range of sites. Installations include small offices, very large shopping malls, airport concourses and public places where the installation of emergency/standby lighting is a legal requirement.

The Effekta range of compact central emergency lighting inverter systems fully comply with BS EN 50171 and other required industry standards. Designed with a 10-year battery life, components are sized to operate at a 120% continuous overload, with battery compensation to handle large temperature changes. An Effekta installation is recognised for its quality and approved by architects and design consultants throughout the airport and construction industry.

## EF5



## EF20

(Single Phase Output)

## EF33

(Three Phase Output)



The Effekta range of single and three-phase emergency lighting inverters are compact and designed for easy maintenance. Standard AC mains light fittings can be used allowing fittings and styles to be changed at any time.

**EF5** Features include automatic load testing of the luminaires by monitoring current draw thereby eliminating additional wiring. Four separate load paths with optional earth leakage detection can be monitored to give the user defined areas for fault location. Load flexibility allows any one load line to be maintained, non-maintained or switched. Luminaires are directly connected to the system's 4-way fused output distribution for single-phase loads between 150VA and 1500VA, greatly reducing installation costs.

**EF20 and EF33** The larger inverters, models EF20 (optional single or three-phase input) and EF33 (three-phase input/output only) can include output distribution with required fault clearance allowing load circuits to be connected directly to the system output. Supplied with contactor or static switch changeover (no-break). The emergency lighting can be configured in three ways: 1) remain off until automatically activated; 2) remain off until manually switched; 3) remain on at all times.

### FEATURES

	EF5	EF20	EF33
● Phase	1-ph 150–1500 VA	1-ph 2.0–30.0kVA	3-ph 5.0–100.0kVA
● Wall or floor enclosures	●		
● Front access for easy, inexpensive maintenance	●	●	●
● High fault clearance capability	●	●	●
● Running continues whilst load faults clear	●	●	●
● Includes power factor correction		●	●
● 120% continuous overload	●	●	●
● 10-year design life batteries and ageing factor	●	●	●
● LCD display for immediate detection/diagnosis	●		
● LCD display for immediate detection/diagnosis and alarm history		●	●
● Low energy consumption	●	●	●
● DALI compatible		●	●

For full technical specification see [www.effekta.co.uk](http://www.effekta.co.uk)