



## DATASHEET

### Emergency supply installation operating instruction(DF518T-36)

**SAVE THESE INSTRUCTIONS — THIS MANUAL CONTAINS IMPORTANT SAFETY INSTRUCTIONS**

**CONSERVER CES INSTRUCTIONS. CETTE NOTICE CONTIENT DES INSTRUCTIONS IMPORTANTES CONCERNANT LA SÉCURITÉ**

#### (A) First: Technique Data



<b>Model No.</b>	DF518T-36
<b>Product Name</b>	LED Emergency Pack
<b>Battery</b>	3.7V 5000mah Lithium-ion battery
<b>Case Size</b>	248*72*74mm

Shenzhen Dengfeng Power Supply CO., Ltd.

Seller Add: Floor 5, Building A, No.2, Chuangye Road 5, Jiangbian Industrial Park, Songgang Town, Baoan District, Shenzhen, Guangdong, China

Tel: +86 755 29945819-808

Fax: +86 755 29945817-803



Light Source Output Range	Max 56V, 8A
Emergency Power Rate	5W
Input voltage	AC 120~277V, 50/60HZ
Charging current	Max 0.15A, Max 10W
Signal Indicator	Yes
Working Test button	Yes
Charge protection voltage	4.2V
Discharge end voltage	3.0V
Duration	min.90 minutes
Battery Protection	Yes
Operation Temperature	20 to 50°C
Highest Surface Temperature	59.2°C
Charging Time	Min. 36hours without break
Output rating	Max. 56Vdc, max 0.27A, max5W
Suitable light source	LED Panel Light, LED Ceiling Lights,LED Downlight etc.
Display settings	green light – the main power, red light – charging, yellow light – fault

**(B) READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

**Case Installation Instruction**

**LED Lamp Automatic Emergency Device**  
 Shenzhen DengFeng Power Supply Co.,Ltd  
**Model:DF518T-36**

- Input rating:120-277Vac,50/60Hz, Max.0.15A, Max.10W
- Output rating:max. 56Vdc, max. 0.27A, max.5W
- Emergency Run Time:Min.90min
- Ambient temperature: 20 to 50°C

**WARNING:**  
 1> Install emergency device in accordance with the national and local electrical code.  
 2> Before use, always check disconnect power.  
 3> Replace battery only with model from Dengfeng.  
 4> Test button need at least 30seconds to reset circuits;  
 5> Prohibit pushing test button frequently.

RECOGNIZED COMPONENT



Test  
 Main power  
 Charging  
 Malfunction

**Input**  
 Charging Live wire  
 Charging Null line  
 Ground wire

**Output**  
 LED+  
 LED-  
 Driver+  
 Driver-

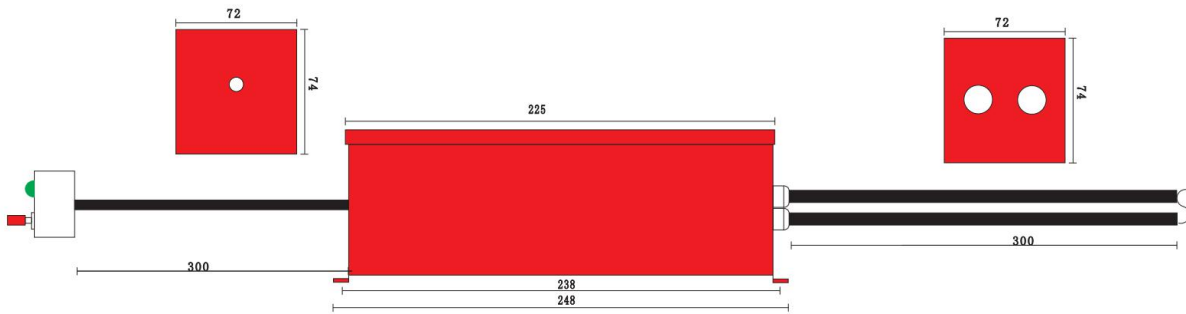
- UL924, CSA C22.2 No. 141, Emergency Lighting Equipment and Appareil d'éclairage de secours.
- THIS LUMINAIRE IS PROVIDED WITH A FACTORY INSTALLED EMERGENCY LIGHTING BATTERY PACK and CE LUMINAIRE EST ÉQUIPÉ EN USINE D'UNE BATTERIE DES LUMIÈRES D'URGENCE

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As per the wiring diagram to connect the circuit strictly. The input side wire line and output side wire line should be followed the below installation guide.

#### Input side wire line

- Red line: Charging Live Wire
- Black line: Charging Null Line
- Yellow green line: Ground Wire

#### Output side wire line

- Black line: Connect to LED positive side(LED+)
- White line: Connect to LED negative side(LED-)
- Brown line: Connect to LED driver positive side(Driver+)
- Blue line: Connect to LED driver negative side(Driver-)

## (C) IMPORTANT SAFEGUARDS

- 1>Install emergency device in accordance with the national and local electrical code.
- 2>Before use, always check disconnect power.
- 3>Device must be grounded; Using temperature limited in 20°C~50°C
- 4>Replace battery only with model from Dengfeng.
- 5>Test button need at least 30seconds to reset circuits; Prohibit pushing test button frequently.
- 6 > Live wire to wall switch must be in same phase with the charging Live wire.
- 7> Do not use outdoors(Ne pas utiliser à l'extérieur)
- 8>Do not mount near gas or electric heaters(Ne pas monter gaz à proximité ou radiateurs électriques)
- 9>Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.( L'équipement doit être monté dans des endroits et à des hauteurs où il ne sera pas Aisément Soumise à des manipulations par un personnel non autorisé.)
- 10>The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.( L'utilisation d'un équipement accessoire non recommandé par le fabricant peut causer à des conditions dangereuses.)
- 11>Do not use this equipment for other than intended use.( Ne pas utiliser cet appareil pour un usage autre que prévu.)

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- 12>CAUTION: A BATTERY CAN PRESENT A RISK OF ELECTRICAL SHOCK, BURN FROM HIGH SHORTCIRCUIT CURRENT, FIRE OR EXPLOSION FROM VENTED GASES. OBSERVE PROPER PRECAUTIONS.( ATTENTION : UNE BATTERIE PEUT PRÉSENTER UN RISQUE DE CHOC ÉLECTRIQUE, DE BRÛ LURE PAR TRANSFERT D'ÉNERGIE, D'INCENDIE OU D'EXPLOSION DES GAZ DÉGAGÉS. SUIVRE LES PRÉCAUTIONS QUI S'IMPOSENT)
- 13>WHEN REPLACING BATTERIES USE THE SAME NUMBER AND THE FOLLOWING TYPE BATTERIES(POUR LE REMPLACEMENT, UTILISER LE MÊME NOMBRE DE BATTERIES DU MODÈLE SUIVANT)
- 14>PROPER DISPOSAL OF BATTERIES IS REQUIRED. REFER TO YOUR LOCAL CODES FOR DISPOSAL REQUIREMENTS(L'ÉLIMINATION DES BATTERIES EST RÈGLEMENTÉE. CONSULTER LES CODES LOCAUX À CET EFFET)
- 15>Directions for mounting and wiring of the device.
- 16>The catalogue number and manufacturer of the batteries that may be used with the device.
- 17>The battery is designed for use with emergency lighting equipment, the battery has a design life expectancy of not less than three years and the recommended limitations of the battery
- 18>The equipment does not provide a grounding equipment connection. The suitability of bonding and supply
- 19>Full attention to each batch date and warranty time, as to the CAUTIONS below.

<p><b>CAUTION:</b></p> <ul style="list-style-type: none"><li>• REPLACE BATTERY ONLY WITH MODEL _____ MADE BY Shenzhen Dengfeng Power Supply Co., Ltd BEFORE Date _____.</li><li>• RISK OF SHOCK — DISCONNECT EMERGENCY AND NORMAL INPUT POWER SOURCES BEFORE SERVICING</li></ul> <p><b>ATTENTION:</b></p> <ul style="list-style-type: none"><li>• REMPLACER LA BATTERIE UNIQUEMENT PAR UNE BATTERIE MAQUETTE _____ FAITE PAR Shenzhen Dengfeng Power Supply Co., Ltd AVANT LE _____</li><li>• RISQUE DE CHOC — COUPER L'ALIMENTATION NORMALE ET DE SECOURS AVANT DE PROCÉDER À L'ENTRETIEN</li></ul>
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## (D) Maintenance

Emergency inverter is the core device which controls the battery charge or discharge, and start the emergency lighting when light meets power failure. Before the emergency power pack used, please make sure the wiring is correct. After installation, the inverter will automatically go into a charging and discharging cycle. Only when the emergency power is stocked in the warehouse and no wiring, it needs fully charging every 3 month to extend the battery span. When emergency power kits installed, it also needs to regularly check, maintain, examine and repair. When there is the abnormal condition, please inform the supplier to process.

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