

Battery Charging & LED Lighting Control

電池充電與 LED 照明控制產品

定位 / Positioning

覆蓋單節/雙節鋰電充電、USB 充電、線性充電、開關充電及 LED 驅動。
Covers single/two-cell Li-ion charging, USB charging, linear chargers, switching chargers and LED drivers.

客戶痛點 / Customer needs

充電速度、溫度保護、USB 限流、充電狀態指示、LED 恆流與調光。
Charge speed, thermal safety, USB current limit, status indication, LED constant current and dimming.

推廣方向 / Sales angle

TWS、藍牙、手持設備、照明、顯示背光、小家電和消費電子可優先推。
Good targets: TWS, Bluetooth, handhelds, lighting, backlight, small appliances and consumer products.

產品整合 / Product Coverage

子系列 / Sub-family	代表型號 / Examples	重點賣點 / Key selling points	典型應用 / Applications
Linear Li-ion charger 線性鋰電充電	DIO5508 DIO5508CCD10 DIO58056/B/C/D	CC/CV 充電、外部電阻設定電流、溫度/UVLO/OVP 等保護。 CC/CV charging, programmable current and protection features.	Wireless phones, MP3/MP4, Bluetooth devices, handhelds 無線電話、MP3/MP4、藍牙、手持設備
USB / switching charger USB / 開關充電	DIO59121A/B/C/D	USB-compliant 2 A 單節鋰電開關充電，1.5 MHz 同步 buck，縮小外圍。 USB-compliant 2 A single-cell switching charger with 1.5 MHz synchronous buck.	Smartphones, tablets, portable media players, cameras 手機、平板、媒體播放器、相機
Two-cell boost charger 雙節升壓充電	DIO6832A DIO6833A	2A 雙節同步升壓鋰電充電，具充電狀態、NTC、短路與過溫保護。 2 A two-cell synchronous boost charging with NTC/status/short/thermal protection.	Digital cameras, PSP/NDS game players, notebooks 數碼相機、遊戲機、筆電

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LED driver / PFC LED 驅動 / PFC	DIO5662 DIO8804 / DIO8850D DIO8105	37 V step-up LED driver、PWM to constant-current dimming、LED lighting PFC/PSR 控制。 Step-up LED drivers and PFC/PSR controllers for LED lighting.	LED backlight, lighting modules, adapter-style lighting power LED 背光、照明模組、LED 電源

總結 SUMMARY

如果客戶產品需要鋰電充電、USB 充電或 LED 恆流驅動，DIOO 可提供從小電流線性充到 2A 開關充電的選項。
For Li-ion charging, USB charging or LED constant-current driving, DIOO offers options from compact linear chargers to 2 A switching chargers and LED drivers.

備註：充電 IC 需確認電池節數、輸入電壓、充電電流、熱設計、NTC、狀態腳及安規要求。 / Check cell count, input voltage, charge current, thermal, NTC, status pins and safety requirements.