DKT FTTH BATTERY 2

79831 | FTTH backup in case of a power outage

FTTH NETWORKS

DATASHEET

INTRODUCTION

The FTTH Battery 2 is the second generation of DKT Battery Back Up Units, it offers one hour of battery backup for 3 devices in any combination of 5V, 9V or 12V and is suitable for wall installation as well as for desktop operation. During normal operation the mains adaptor will provide power for the attached devices and keep batteries at state of charge providing one hour of 30W backup. Typical application is backup for telephony service powering gateway, router and analog telephone adaptor during a mains power outage.

PRODUCT OVERVIEW

Parameter		DKT FTTH BATTERY 2
Outputs		
Power supply protocols supported		Qualcomm quick charge 4.0 and USB Power Delivery 3.0
Max individual port load at 5 V		3 A
Max individual port load at 9 V		3 A
Max individual port load at 12 V		3 A
Backup duration at 30W combined load		1 hour
Input		
Voltage		24 V
Current		2 A
Connector outer Ø		5.5 mm
Connector inside Ø		2.5 mm
Batteries		
Included battery type		5 PCS 2500 mAh Button type 18650 Li-Ion
Reverse polarity protection		Mechanical prevention of completing electrical circuit in case of wrong battery orientation.
Electrical safety circuit		Individual cell voltage and temperature monitoring
Shipping mode		To avoid discharge during shipping tab needs to be removed before batteries are connected.
User interface		
Ready LED (Green)	Steady on	Battery is fully charged.
	Flashing	Battery is charging.
Backup LED (Amber)	Steady on	Input off, battery discharging.
	Flashing	Input off, battery nearly discharged.
Replace batteries LED (Red)	Off	Batteries are healthy.
	Flashing	Batteries need replacing.
Overload LED (Red)	Steady On	Combined load >30W, backup duration <1h
	Flashing	Combined load too high: Disconnect USB
Product type label		On the rear of the products and includes battery purchase, replacement advice and key data
Product UI / Logo plate		For logistics reasons the Logo plate is supplied together with the cable set as a separate item number.
Item No.		**79831**

Parameter	DKT FTTH-BATTERY-2
Package	
Mains adaptor	UKCA marked Type G (UK) 110-240V~; 24V 2A DC
Colour	White with dark grey logo plate
Material	PC + ABS (PC-540)
Dimensions [mm] (H x W x D)	138 x 135 x 26.50
Marking	Type label and UN3481
Item No.	**79831**

FTTH-Battery-2-Connection-kit

INTRODUCTION

Besides the FTTH Battery 2 a FTTH-Battery-2-Connection-kit will be needed.
The FTTH-Battery-2-Connection-Kit always contains the mains adaptor for FTTH Battery 2,
a UI/logo plate and 3 PCS of connection cables to match the specific requirements in terms of
supply voltage, plug type and plug dimensions.

EXAMPLE

FTTH-Battery-2-Connection-kit			
Customization			
UI/logo plate	Self-adhesive semi-transparent sticker with protective foil and specified logo		
Cable	Voltage	Connector type	Marking
Cable 1	5V	Female Plug 5.5 mm / 1.75 mm	5V Gateway
Cable 2	5V	QUSB-B	5V ATA
Cable 3	12V	Female Plug 5.5 mm / 2.1 mm	12V Router

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