

Micro Power 3000W MPSK-4860

The Micro Power series DC power supplies are specially designed for telecom industry serving as power and backup system with safety features and protection functions such as battery over/under voltage, over current, short-circuit, and over/under temperature, and surge protection. They offer complete maintenance-free and extensive monitoring and controlling capabilities.

MPSK-4860 is a 3kW power supply unit integrated with 50Ah lithium battery backup. The system is featured with die-cast aluminum enclosure, embedded BMS, easy for installation, supporting pole/wall-mounting. It is mostly suitable as power and backup solutions for telecom rail applications.

Key Features:

- § Including all the features of switching mode power supply
- § Integrated molding with die-cast aluminum to provide good protection
- § Flexible and convenient installation, supporting pole/wall mounting
- § 50Ah Li-ion battery backup, support battery expansion
- § Remote monitoring through RS485

Application examples:

- § Indoor/outdoor distributed site
- § Macrocell BTS
- § Microwave (Mini-Link)
- § RRU-remote site
- § Active antenna power
- § Wireless access
- § AtomCell outdoor hotspot

Included Products

Power Supply Unit
Model: MPUK-4860



Lithium-Ion Battery Unit
Model: OBUK-48/50



MPSK-4860 Technical Specification		
Basic Parameters	Dimensions	Power: 420 x 320 x 100 mm (H x W x D) Battery: 420 x 320 x 150 mm (H x W x D)
	Protection Level	IP65
	Weight	Power unit: 15.0 kg, Battery unit: 26.5 kg
	Case Material	Die-cast Aluminum for enclosure body
Power Input	Input Voltage Range	100 – 240 VAC
	Input Frequency Range	45 – 65 HZ
	SPD (AC Input Port)	20 kA, 8/20 μ s
	Max. Input Current	20 A
Power Output	Standard Output Voltage	56.4 VDC
	Max. Output Voltage	58 VDC (adjustable)
	SPD (DC Output Port)	10 kA, 8/20 μ s
	Output Power	3000 W
	Number of Current Outputs	4*40 A
	Efficiency	Peak value > 96%
	Load Regulation	$\leq \pm 1\%$
	Cross Regulation	$\leq \pm 1\%$
Battery Backup	Rated capacity	50 Ah (Lithium iron phosphate)
	Max. Discharge current	50 A
	Voltage Range	56.4 - 43 VDC
	Working Temperature	-40 °C – +55 °C
Operation conditions	Storage Temperature	-40 °C – +60 °C
	Relative Humidity	10 – 95%
	Cooling Method	Natural Cooling
	Atmospheric Pressure	70-106 kPa
Remote Communication	Communication mode	RS485/CAN
Standards	CB	IEC/EN 62368-1 (2 nd edition), IEC/EN 60950-22
	EMC	ETSI EN 300 386
	CE	LVD Directive 2014/35/EU EMC Directive 2014/30/EU RoHS Directive 2011/65/EU WEEE directive 2012/19/EU
	Transport	UN38.3