

FitOn DP4860KS Integrated Power System

Product Introduction

FitOn DP4860KS integrated power system is a power supply product specially developed for outdoor use, integrating power modules (rectifier, monitoring unit, communication unit and power distribution unit) and lithium battery modules. It supports installation methods such as hanging pole and hanging wall. It is easy to install, fast to deploy, high in reliability, maintenance free, and supports parallel power expansion to meet the requirements of 5G evolution.

Application Scenario

It is applicable to 5G communication micro base stations, outdoor tower light pole stations, indoor distribution of weak current wells, RRU remote stations and enterprise communication stations.

Product Feature

Reliable

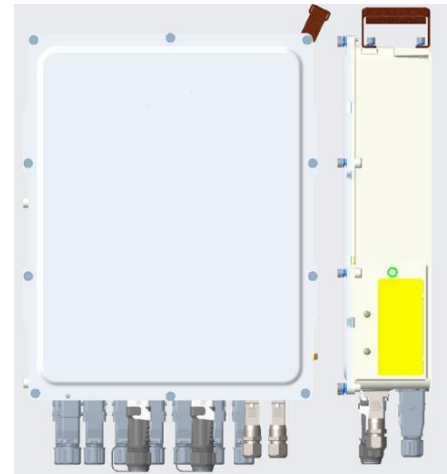
- Super power grid and environmental adaptability
- IP65 protection grade, supporting outdoor use
- All directional lightning protection design at AC and DC sides to improve the lightning protection capability of the system
- Natural heat dissipation, fanless design, high reliability

Efficient

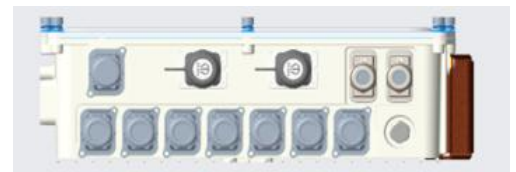
- Small size, light weight, fast deployment
- Diversified installation methods to adapt to a variety of complex installation scenarios

Intelligence

- Convenient networking and intelligent management
- Refined load management



6kW Power module



Power module interface diagram

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Product Specification

Parameter items		Parameter description
	Model	DP4860KS
System parameter	Rated power/capacity	6kW
	Installation mode	Wall mounted, pole mounted, etc
	Size (mm)	≤450 (H) × ≤350 (W) × ≤110 (D)
	Weight (Kg)	≤16
	Temperature cooling system	Natural heat dissipation
	Efficiency	≥97% (peak)
	Maximum number of parallel machines	4PCS
	Protection grade	IP65
	Noise	< 45dB(A)
	Working temperature	-40~+55°C
Power input	Mains input configuration	Single phase three wire 220Vac
	Input current	40A (Max)
	Frequency	45Hz-66Hz
	Input power factor	≥0.99 (100% load); ≥0.98 (50% load); ≥0.97 (30% load).
	AC SPD	Nominal discharge current: 20kA (8/20μs)
	Input port	Single phase three wire
Load output	Output voltage	43Vdc to 58Vdc range adjustable
	DC SPD	Nominal discharge current: 10kA (8/20μs)
	DC output	40A×7
	Battery by-pass	125A×2
Monitoring parameters	Human-computer exchange	Serial communication; Mobile APP; Remote monitoring platform
	Dry contact	3-way alarm dry contact output
	Communication interface	RS485; CAN
	Telecommunications	4G All Netcom; BLE