The latest standards for hybrid energy specifications for communication base stations

Overview

In the era of widespread 5G adoption and 6G exploration, hybrid telecom power systems, with their advantages of multi-energy complementarity and intelligent management, have become the standard power support solution for communication base stations.

The latest standards for hybrid energy specifications for communica

[Anthropic acquires Vercept to advance Claude's computer use](#)

Vercept is the latest team we've brought into Anthropic, following the acquisition of Bun. We look for teams whose technical ambitions match ours, whose work advances our capabilities,

Introducing Claude Haiku 4.5 \ Anthropic

Claude Haiku 4.5, our latest small model, is available today to all users. What was recently at the frontier is now cheaper and faster. Five months ago, Claude Sonnet 4 was a state-of

[Advancing Claude in healthcare and the life sciences](#)

In October, we announced Claude for Life Sciences, our latest step in making Claude a productive research partner for scientists and clinicians, and in helping Claude to support those in

Introducing Claude Sonnet 4.6

Claude Sonnet 4.6 is a full upgrade of the model's skills across coding, computer use, long-reasoning, agent planning, knowledge work, and design.

[Towards Energy Efficient RAN: From Industry Standards to](#)

Firstly, we introduce the state-of-the-art 3GPP and O-RAN standardization work on enhancing RAN energy efficiency.

Hybrid Power for 5G & 6G Base Stations

In the era of widespread 5G adoption and 6G exploration, hybrid telecom power systems, with their advantages of multi-energy complementarity and intelligent management, have become

A techno-economic and ai-based optimization framework for hybrid

This paper introduces a strict AI-based framework of analysis of HRES in technical and economic dimensions to drive remote BTS.The proposed system delivers a total power output of 1.2

Claude 3.7 Sonnet and Claude Code

Today, we're announcing Claude 3.7 Sonnet, our most intelligent model to date and the first hybrid reasoning model generally available on the market.

Energy-efficiency schemes for base stations in 5G heterogeneous

In today's 5G era, the energy efficiency (EE) of cellular base stations is crucial for sustainable communication. Recognizing this, Mobile Network Operators are actively prioritizing EE for both

Introducing Claude Opus 4.5 \ Anthropic

Our newest model, Claude Opus 4.5, is available today. It's intelligent, efficient, and the best model in the world for coding, agents, and computer use. It's also meaningfully better at

Hybrid Control Strategy for 5G Base Station Virtual

Grounded in the spatiotemporal traits of chemical energy storage and thermal energy storage, a virtual battery model for base stations is established

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Introducing Claude Sonnet 4.5 \ Anthropic

Claude Sonnet 4.5 is the best coding model in the world, strongest model for building complex agents, and best model at using computers.

Uninterrupted Power for Base Stations: Decoding the Standard

In the era of widespread 5G adoption and 6G exploration, hybrid telecom power systems, with their advantages of multi-energy complementarity and intelligent management, have become

Claude Opus 4.1 \ Anthropic

Getting started We recommend upgrading from Opus 4 to Opus 4.1 for all uses. If you're a developer, simply use claude-opus-4-1-20250805 via the API. You can also explore our system card,

Introducing Claude 4 \ Anthropic

Discover Claude 4's breakthrough AI capabilities. Experience more reliable, interpretable

assistance for complex tasks across work and learning.

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The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with

Improving energy resilience in cellular base stations and critical

This article comprehensively analyzes each dimension, identifies existing research gaps, and proposes an integrated energy-routing and control structure that ensures uninterrupted operation

Communication Base Station Hybrid Power: The Future of Network

The EU's revised Energy Efficiency Directive (EED 2025) mandates 30% renewable integration for all telecom infrastructure - a regulation that's accelerating hybrid adoption.

Introducing Claude Opus 4.6

We're upgrading our smartest model. Across agentic coding, computer use, tool use, search, and finance, Opus 4.6 is an industry-leading model, often by wide margin.

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