

# When charging an outdoor power source the consumption is fast at the front and slow at the back





## Overview

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Why does a power station restrict the power consumption?

The power station might restrict the current it consumes to safeguard its internal components even if a charger could theoretically provide larger amps. The capacity of input current directly affects the achievable charging wattage. The connection between charging power and charging duration is straightforward.

What factors affect the duration and price of a charging session?

The following factors impact the duration and price of a charging session: The power accepted by the electric vehicle: it is the vehicle that dictates to the charger the power that it can accommodate in its battery, and not the reverse!.

Do charging stations have different power consumption patterns?

The power consumption patterns of the charging stations normally show insignificant variation across seasons. Only Workplace stations demonstrate a noteworthy discrepancy in power consumption between weekdays and weekends, i.e., a significant decrease on weekends.

What time do independent charging stations peaks?

Nevertheless, Independent stations have multiple charging power peaks at around 7:00 a.m., 4:00p.m., and 12:00 a.m., because these stations are often used by commercial vehicles (e.g., taxis and ride-hailing cars), whose operational cycles usually involve charging before rush hours or at low electricity prices.



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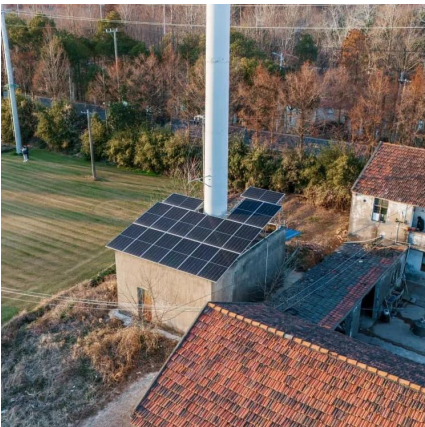
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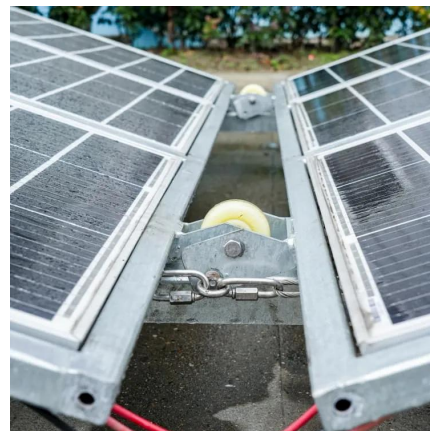


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