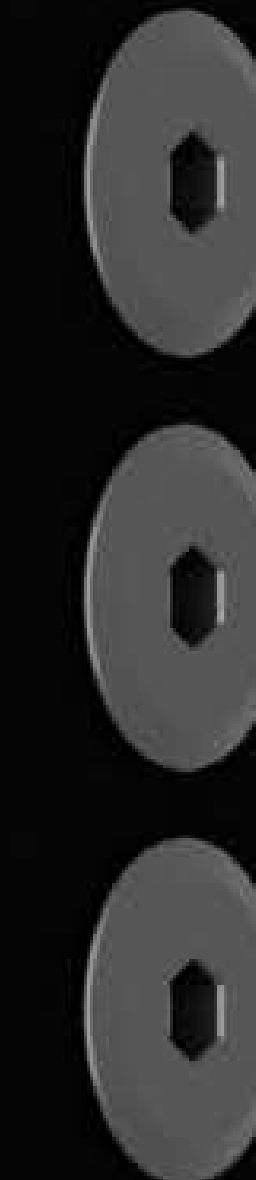


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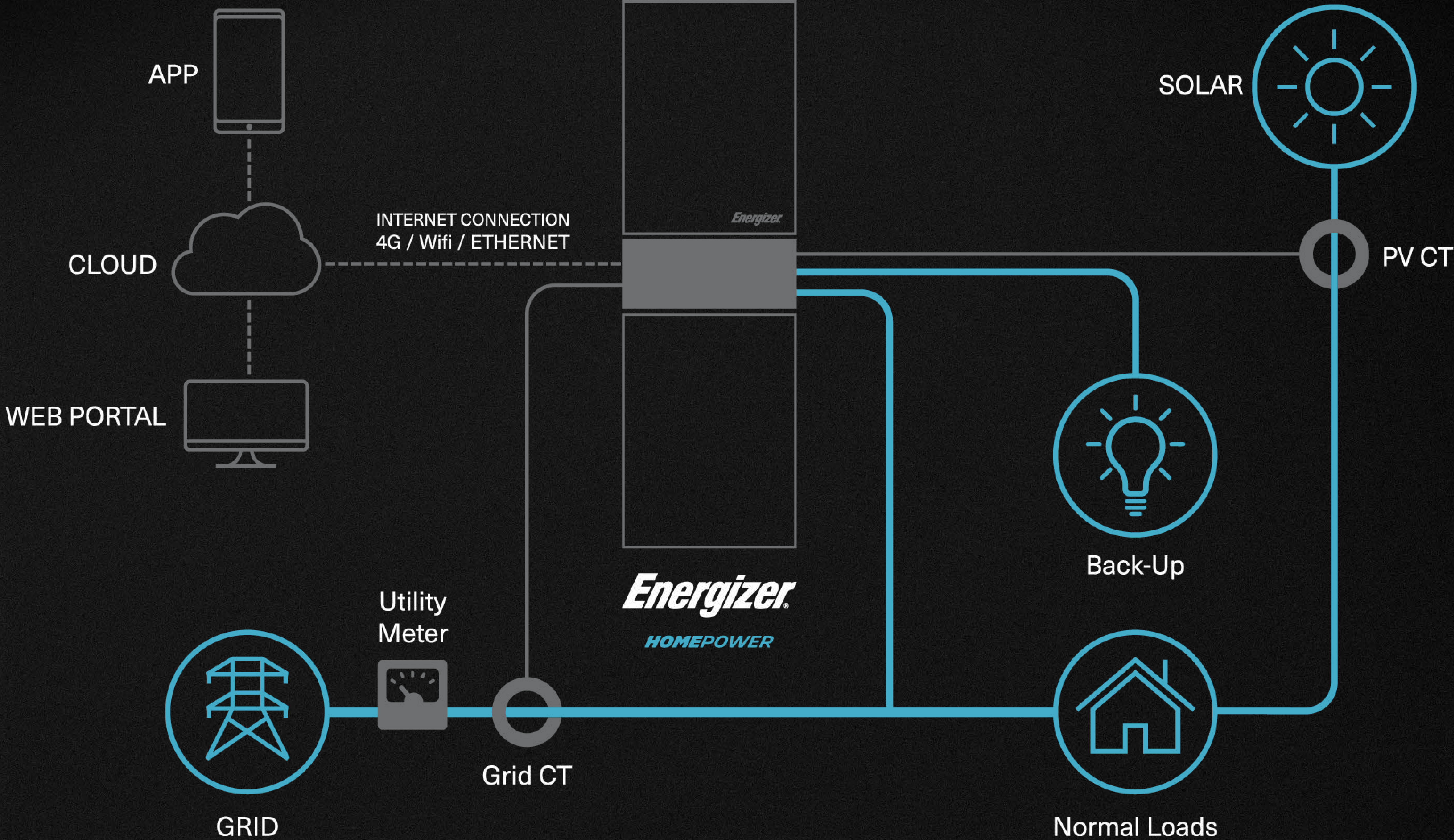


Features & Benefits

- Compact All-In-One Battery Energy Storage System
- 6.1 kWh expandable up to 24.4 kWh
- AC Coupled for both new and retrofitted installations
- 3.6 kW charge and discharge rate
- Built-in blackout protection (UPS)
- 24x7 connectivity via Cellular / Wifi / Ethernet
- Customisable EMS (Energy Management System) for different applications
- 24x7 monitoring through our web portal and user app (iOS & Android)
- Patented Magna-Flap conceals system controls and installer access panel
- Suitable for both indoor and outdoor installation (IP65 rating)
- DRED device support: DRM 0-8
- Virtual Power Plant ready



System Map



Technical Specifications: **HP-6M**

Inverter Specifications

Nominal AC Voltage	230V
AC Input Voltage Range	180V - 265V
Max AC Output Current	16A
Rated AC Power (Grid)	3600W
Rated AC Power (Backup)	3600W
Max Charge / Discharge Power	3600W
Output Frequency (AC)	50 / 60 Hz
Power Factor Nominal Range	0.8 lead to 0.8 lag
AC Overvoltage Category	III
Max Inverter Efficiency	94.00%
DRED Device Support	DRM 0-8
Cooling Method	Natural Convection

Battery Specifications

Nominal DC Voltage	51.2V
Battery Energy	6.14kWh
Max Continuous Battery Charge Current	71A DC
Max Continuous Battery Discharge Current	71A DC
Battery Chemistry	LiFePO ₄
Rated Capacity	120Ah
Cell Type	Prismatic
Cycle Life	10,000
DOD (Depth of Discharge)	95%
Protective Class	I
DC Overvoltage Category	II
Circuit Protection	Integrated 80A Magnetic / Thermal Trip Protection

Environmental Working Conditions

Ambient Temperature	Charge: 0°C to 45°C / Discharge: -20°C to 50°C
Relative Humidity	0 to 95%
Ingress Protection	IP65
Maximum Altitude	2,000m

Physical Specifications

Dimensions	1244mm H x 420mm W x 183mm D
Case Material	Steel (Powder coated) / Aluminium (Anodised)
Mounting Method	Wall Mounted
Net Weight	98.5kg

Communication

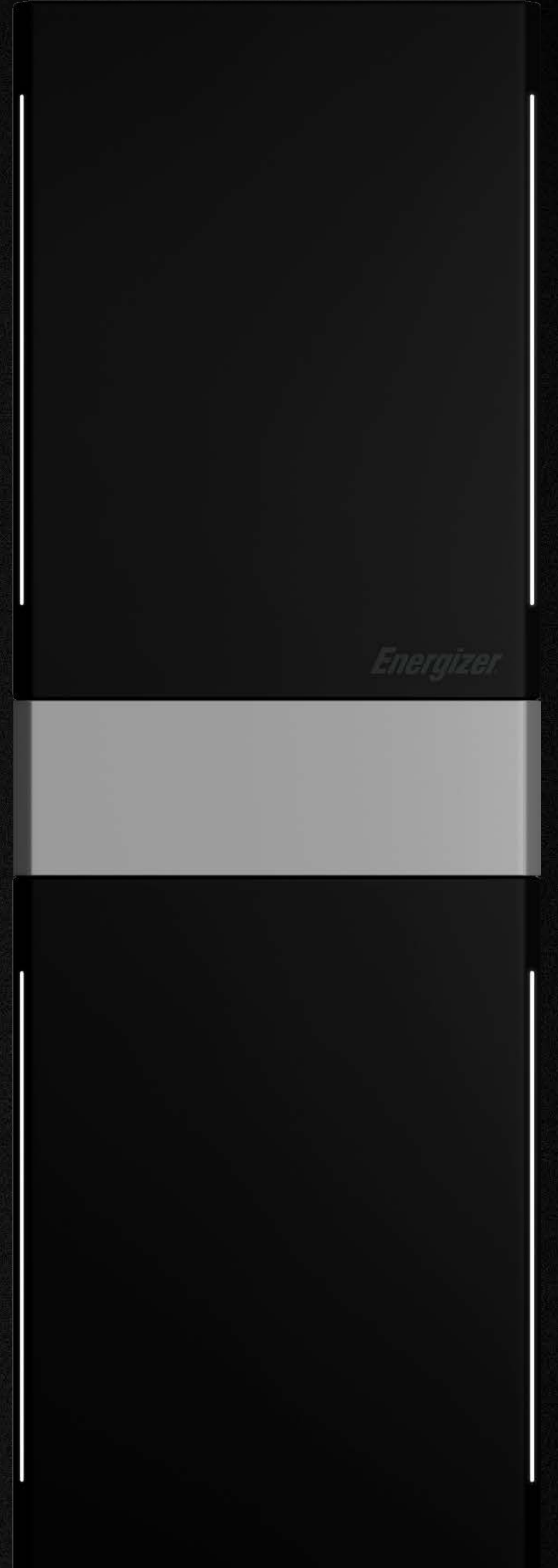
Internet Connection	Cellular / WiFi / Ethernet
Customer Access	Web Portal / iOS App / Android App / LCD Panel
Installer Access	Installer App with direct connection via Bluetooth
Technician Access	LCD Touchscreen Control Panel / Remote Access

Certification

Battery & BMS	IEC 62619:2017
Transport	UN 38.3
UPS	AS 62040.1:2019
Electromagnetic Compatibility	IEC 61000-2/-3
Grid Compliance	AS/NZS 4777.2:2015

Warranty

Lifespan	10 Years
Cycle Life	10,000



Technical Specifications: **HP-6S**

Battery Specifications

Nominal DC Voltage	51.2V
Battery Energy	6.14kWh
Max Continuous Battery Charge Current	71A DC
Max Continuous Battery Discharge Current	71A DC
Battery Chemistry	LiFePO ₄
Rated Capacity	120Ah
Cell Type	Prismatic
Cycle Life	10,000
DOD (Depth of Discharge)	95%
Protective Class	I
DC Overvoltage Category	II
Circuit Protection	Integrated 80A Magnetic / Thermal Trip Protection

Physical Specifications

Dimensions	1244mm H x 222mm W x 183mm D
Case Material	Steel (Powder coated) / Aluminium (Anodised)
Mounting Method	Wall Mounted
Net Weight	70kg

Certification

Battery & BMS	IEC 62619:2017
Transport	UN 38.3
Electromagnetic Compatibility	IEC 61000-2/-3

Environmental Working Conditions

Ambient Temperature	Charge: 0°C to 45°C / Discharge: -20°C to 50°C
Relative Humidity	0 to 95%
Ingress Protection	IP65
Maximum Altitude	2,000m

Warranty

Lifespan	10 Years
Cycle Life	10,000



HP-6 Series

Energy Rating (kWh)	12.28
Usable Energy (kWh)	11.6
Capacity (Ah)	240
Dimensions (H/W/D; mm)	1244/646/183
Weight (kg)	168.5

HP-6M / 1S

Energy Rating (kWh)	18.42
Usable Energy (kWh)	17.3
Capacity (Ah)	360
Dimensions (H/W/D; mm)	1244/872/183
Weight (kg)	238.5

HP-6M / 2S

Energy Rating (kWh)	24.56
Usable Energy (kWh)	23.2
Capacity (Ah)	480
Dimensions (H/W/D; mm)	1244/1098/183
Weight (kg)	308.5

HP-6M / 3S

Energy Rating (kWh)	12.28
Usable Energy (kWh)	11.6
Capacity (Ah)	240
Dimensions (H/W/D; mm)	1244/646/183
Weight (kg)	168.5

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