

Cygni

Dyness Cygni Series is a brand-new all-in-one residential energy system. This product offers 8kW and 10 kW capacity options, providing an energy coverage range of 7.68 kWh to 15.36 kWh, which ensures energy independence and maximizes savings on utility bills. Its wiring-free stack design simplifies installation, making it more convenient than ever.

Safe & Reliable

Build in active fireprotection system, AI-motivated AFCI, strong cell balance ability

1C Ultra-rapid Charge

Fully charge the battery in just one hour

VPP Ready

Quick demand response

Easy Installation

Wiring-free stack design, one-click commissioning system self-check

IP66 Protection

Fearless of outdoor insatallition, strong environmental adaptability

Smart Management

Real-time system monitoring, remote control, OTA updates

System Type	Cygni Hybrid		Cygni AC	
Inverter Model	Cygni 8.0HS	Cygni 10.0HS	Cygni 8.0AS	Cygni 10.0AS
Battery Input Data				
Battery Type	$LiFePO_4$			
Battery Module	Cygni BAT-3.8			
Expandable Quantity	2~4			
Usable Energy (kWh)	7.68~15.36			
Operating Voltage (V)	168~438			
Nominal Voltage (V)	192~384			
Max.Charge/Discharge Power (kW)	7.68~11			
Max. DOD (Depth of Discharge)	95%			
Cycle Life	≥8000 Cycles			
PV String Input Data				
200% PV Oversizing (W)	16000	20000	-	
Max. PV Input Power (W)	12000	15000	-	
Max. PV Input Voltage (V)	600		-	
MPPT Range (V)	60~550		-	
Start-up Voltage(V)	60		-	
Nominal PV Input Voltage (V)	390		-	
Max. Input Currrent / Max. Short Currrent (A)	16 / 23		-	
No. of MPP Trackers / Strings per MPP Tracker	3/1		-	
AC Output Data (On-grid)				
Nominal Power Output To Grid (VA)	8000	9999	8000	9999
Max Power Outpur To Grid (VA)	8000	9999	8000	9999
Max Power From Grid (VA)	8000	9999	8000	9999
Nominal Output Voltage (V)	230			
Nominal Output Frequency (Hz)	50			
Output Power Factor	Adjustable from 0.8 leading to 0.8 lagging			
Output THDi (Nominal Power)	<3%			
AC Output Data (Back-up)				
Nominal Output Power (VA)	8000	10000	8000	10000
Max. Output Power (VA)	9600	12000	9600	12000
Nominal Output Voltage (Vac)	230			
Nominal Output Frequency (Hz)	50			
Output THDv (@Linear Load)	<3%			
Backup UPS (ms)	<10			
Inverter Efficiency				
Max. Effciency	97.5%			
European Efficency	97.0%			
Protection				
Anti-island Protection	Integrated			
Battery Reverse Protection	Integrated			
Residual Current Monitoring Unit	Integrated			
Over Current/Voltage Protection	Integrated			
AC Short Circuit Current Protection	Integrated			
DC Switch (PV Ⅱ)	Integrated			
AFCI	Optional			
Fire Protection System	Built-in aerosol fire extinguisher			
Surge Protection	DC Type Ⅱ/AC Type Ⅲ			
General Data				
Topology	Non-Isolated			
Operating Temperature Range (°C)	-10-50			
Relative Humidity (%)	0-95			
Operating Altitude (m)	3000			
Cooling	Natural Convection			
Noise (dB)	<35			
Inverter / Battery Module Weight (kg)	27.5 / 41.5			
System Weight (kg)	117.5or159or200.5 (Depending on the module number)			
Inverter / Battery Module Size (W/H/D mm)	650*450*180 / 650*300*180			
System Size (W/H/D mm)	650*1130*180or650*1430*180or650*1730*180 (Depending on the module number)			
Installation Methods	Wall-Mounted & Floor-standing			
Communication	RS485, Wi-Fi, Bluetooth, Ethernet			
Display	LCD Screen; APP; Web			
Enclosure Type	IP66			
Certifications & Standards	UN38.3, AS/NZS 4777.2: 2020, IEC 62109-1/2, IEC62040,EN 62920:2017/A1:2021,IEC/EN 61000-6-1/3			
Country of Manufacture	China			