

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 fire protection system, 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 installation, strong environmental adaptability

System Type	Cygni Hybrid		Cygni AC	
Inverter Model	Cygni 8.0HS-M2/3/4	Cygni 10.0HS-M2/3/4	Cygni 8.0AS-M2/3/4	Cygni 10.0AS-M2/3/4
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				
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 Current / Max. Short Current (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. Efficiency	97.5%			
European Efficiency	97.0%			
Protection				
Anti-island Protection	Integrated			
PV String Input Reverse Polarity 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			
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)	0~50			
Relative Humidity (%)	0~95%			
Operating Altitude (m)	3000			
Cooling	Natural Convection			
Noise (dB)	<35			
Inverter / Battery Module Weight (kg)	27.5 / 40.5			
System Weight (kg)	113.2or153.7or193.7 (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			
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			

