PULSE S4

Eco-hybrid Inverter

Cora Dawn solar

POWER

8kW



- Intelligent Energy Management
- Higher Satisfaction
- Lower Installation Cost
- Whisper Quiet



Key Features

- IP66 Protection Rating
- 15kW Dual Channel PV Input
- 5-year warranty / 10-year service (optional)
- Parallel Connection: up to 6 Single Phase or 9 Three Phase
- Built in Wi Fi & Bluetooth with Mobile App Monitoring

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PULSE S4 Product Specifications

Model	S4(8kW)

Battery Data

Battery Type	Lithium-ion & Lead-acid
Rated Battery Voltage (Vdc)	48
Battery Voltage Range (Vdc)	40~60
Max. Charge/Discharge Current (A)	165/165
Forced Wake-up by PV	YES

PV Input

Max. MPPT Input Power (W)	15000	MPPT Voltage Range (Vdc)	60~450
Max. Input Voltage (Vdc)	500	No. Of MPPT/ Strings Per MPPT	2 / 1+1
Rated Input Voltage (Vdc)	370	Max Input Current Per MPPT (A)	20+20
Start-Up Voltage (Vdc)	70	Max. Short Circuit Current Per MPPT (A)	27+27

Grid Input/Output

Rated AC Output Power (W)	8000	Rated Grid Frequency (Hz)	50 / 60
Maximum Apparent Power (VA)	8000	Frequency Range (Hz)	40-65
Rated Output Current (A)	36.4/34.8/33.4	Max Input Current (A)	50
Rated Grid Voltage (Vac)	220/230/240±5%	Max Output Current (A)	50
Voltage Input Range (Vac)	90~280	Total Harmonic Distortion (THDi)	<3%

GEN

Rated GEN Voltage (V)	230	Rated GEN Input power(V)	9200
Rated GEN Input current (A)	40		

Load Parameter

Rated Output Power (W)	8000	Rated Output Current (A)	36.4/34.8/33.4
Maximum Apparent Power (VA)	8000	Rated Output Voltage (Vac)	220/230/240±5%
Rated Output Frequency (Hz)	50/60±0.1%	Total Harmonic Distortion (THDv)	3%
Overload Capability	1min@101-110%;10s@110%~150%;5s@150%~200%;100ms@>200%		
Switch Time (ms)	4~6ms for Computer Equipment, 20ms for Household Equipment		

Efficiency

Max Inverter Efficiency	97.00%	MPPT Tracking Efficiency	99.90%

Protection

Integrated	"DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Power Network Monitoring, Earth Fault Detection,Surge protection level"
Surge Protection	TYPE II (DC), TYPE II (AC)
Over Voltage Category	OVC II (DC), OVC III (AC)

General Data

Operating Temperature (°C)	-40~+60 (Above 45°C Derating)	Cooling	Smart cooling
Humidity (%RH)	0~100%	Altitude (m)	≤3000
Dimensions [W*H*D] (mm)	430*350*177.8	Protection Level	IP66
Weight (kg)	15.5	Display	LED Display/Touchable Display
Inverter Topology	Non-Isolated	Warranty	5 Years
Communication	RS485 / CAN / Dry contact/ External battery NTC/Parallel communication/WIFI(Built-in)		

Certification Standard

Safety Standards	IEC 62109-1:2010, EN 62109-1:2010, IEC 62109-2:2011, EN 62109-2:2011
Efficiency Standard	IEC 61683:1999

Notice: All data contained in this specification is subject to change without prior notice, and the final interpretation right belongs to Cora Dawn Solar.