Hybrid Solar Inverter

PULSE K1-(8-12K)

. Integrated Single Phase / Split Phase
· Built-in Dual MPPT
· 200% PV Input Power Configuration
. 27A PV Input Current, Fit for High-power Modules
· Up to 9 Units Parallel Operation
· Independent Generator Port, Auto Start & Stop
· Dual AC Output, Intelligent Control
· Max Inversion Efficiency 96.5%
· 3-Year Full Machine Warranty
· Color touchscreen (optional, price varies)



Modle	PULSE K1-8K	PULSE K1-10K	PULSE K1-12K
AC Output（Off Grid）			
Rated Power	8kW/8kVA	10kW/10kVA	12kW/12kVA
Surge Power	16kW/16kVA	20kW/20kVA	24kW/24kVA
AC Output Voltage	Single Phase：100V/110V/120V/127V 、 Split Phase： 120V/240V 2/3 Phase：127V/220V 、 Parallel Mode Three-Phase：120V/208V		
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)		
Max Inverter Efficiency	96.5%（PV/AC)		
Transfer Time	<10ms@Single, <20ms @ Parallel		
Output Waveform	Pure Sine Wave		
No-Load Loss	≤75W@Rate Voltage		
AC Output（On Grid）			
Rated Power	8kW/8kVA	10kW/10kVA	12kW/12kVA
Power Factor	0.8 leading to 0.8 lagging		
Rated Voltage	Single Phase：100V/110V/120V/127V 、 Split Phase： 120V/240V 、 2/3 Phase：127V/220V 、 Parallel Mode Three-Phase：120V/208V		
Rated Grid Frequency	50Hz/60Hz（Auto detection）		
Max Output Current	34A(Split Phase) 67A(Single Phase)	42A(Split Phase) 84A(Single Phase)	50A(Split Phase) 100A(Single Phase)
PV Input			
Number Of MPPT Trackers	2		
Max PV Input power	8000W*2	10000W*2	12000W*2
Max PV Array Open Circuit Voltage	550Vdc		
Max PV Input Current	27A*2		
Startup Voltage	75Vdc		
MPPT Voltage Range	65~500Vdc		
MPP tracking efficiency	99.9%		
Battery			
Compatible Battery Types	Lead-acid、Lithium battery		
Rated Battery Voltage	48V/51.2V		
Battery Voltage Range	38.4Vdc~60Vdc		
Cold Start Battery Voltage	46Vdc		
Max Solar Charging Current	190A	210A	210A
Max AC Charging Current	190A	210A	250A
Max Charging Current (PV+AC)	190A	210A	250A
Activate The Lithium Battery Function	PV/AC		
Protection			
Over Current/Voltage Protection; Anti-islanding Protection; AC Short-Circuit Protection; Leakage Current Protection; Grid Monitoring; Ground Fault Monitoring; DC Surge Protection OVC II; AC Surge Protection OVC III			
Mechanical Specifications			
Inverter Dimensions	541*518.7*141.2mm		
Net Weight	21.2kg	21.3kg	21.5kg
Gross Weight	24.4kg	24.5kg	24.7kg
Environment			
Protection Degree	IP20		
Humidity	5%~95% non-condensing		
Altitude	<2000 Meters		
0perating Temperature	-10℃~50℃		
Storage Temperature	-15℃~60℃		
Noise	<75dB		
Certificate	UL 1741、FCC		