

PARAMETER	SPECIFICATION
MODEL	LD-WHFCI-12000W-48V
AC INPUT	
Rated Input Voltage (VAC)	220/230/240; L + N + PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
AC OUTPUT	
Rated Capacity (kVA/kW)	12
Surge Power (kVA)	24
Voltage (VAC)	220/230/240
Power Factor (PF)	1
Frequency (Hz)	50/60
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (PV+Battery mode / PV Mode)	1min@102%-125% Load, 10s@125%-200% Load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
CHARGER (PV / AC)	
Solar Charger Type	Dual MPPTs
Max. PV input Current (A) / Input Power(W)	Using One MPPT: 27A/9KW; Using Two MPPTs: 27A/Per MPPT, 15kW/Total
MPPT Range@Operating Voltage (VDC)	60~450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	160
Max. AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A)	160
BATTERY	
Rated Voltage (VDC)	48
Max. Charging Current(A)	160
Max. Discharging Current(A)	220
Battery Type	Lithium / Lead-acid
INTERFACE	
HMI	5 inch LCD
Interface	RS485 / CAN / RS232
Monitoring	WiFi (optional/built-in/external)
GENERAL DATA	
Ingress Protection	IP21
Operating Temperature (°C)	-10~60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15~60
Net Weight (kg)	15
Gross Weight (kg)	16.5
Dimensions (H*W*D) (mm)	495*425*120 (without bracket)
Package Dimensions(H*W*D) (mm)	594*500*210mm
Max. Operating Altitude (m)	4000 (Derating above 2000)