

PARAMETER	SPECIFICATION
MODEL	LD-WHFCI-3KW-24V-IP65
PHASE	1-phase in / 1-phase out
MAXIMUM PV INPUT POWER	4500W
RATED OUTPUT POWER	3000W
MAXIMUM CHARGING POWER	3000W
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage	170VAC-280VAC
Acceptable Input Voltage Range	90-280VAC (APL) or 170-280VAC (UPS)
Frequency Range	50Hz / 60Hz (Auto sensing)
Maximum AC Input Current	16A
PV INPUT(DC)	
Maximum DC Voltage	500Vdc
MPPT Voltage Range	60Vdc-450Vdc
Number of MPPT Trackers / Maximum Input Current	1 / 18A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT(DC)	
Maximum DC Voltage	500Vdc
Start-up Voltage / Initial Feeding Voltage	90Vdc / 120Vdc
MPPT Voltage Range	60Vdc-450Vdc
Number of MPPT Trackers / Maximum Input Current	1 / 18A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable)
Nominal Output Current	13A
AC INPUT	
AC Start-up Voltage	170VAC-280VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	16A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	24Vdc
Maximum Solar Charging Current	100A
Maximum AC Charging Current	100A
Maximum Charging Current	100A
GENERAL	
PHYSICAL	
Dimension, D × W × H (mm)	451 × 353 × 160.2
Net Weight (kg)	12.3
INTERFACE	
Communication Port	RS232 / RS485 / WI-FI
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
IP degree	IP65
Operating Temperature	-10°C~50°C
Storage Temperature	-15°C~60°C