

- LITHIUM IRON PHOSPHATE DATABLAD -

INVERTER SERIES WATTSON 12^K



PRODUCT FEATURES:

- ✓ **Dual MPPT** giver mulighed for optimal udnyttelse af tagareal
- ✓ **Op til 97,6% effektivitet** meget højudnyttelsesgrad
- ✓ **Godkendt og sikker** inverteren er på positivlisten og CE mærket. Vi garanterer sikker leverance af strøm
- ✓ **App styring** følg med din strøm-produktion på din computer eller telefon
- ✓ **3 faset design** passer direkte til din el-installation og elnettet. Og du kan lade elbiler op med vores inverter

SPECIFICATIONS

Elektriske egenskaber

WATTSON 12^K

Battery Input Data

Battery Type	Lead-acid or Li-Ion
Battery Voltage Range (V)	40-60V
Max. Charging Current (A)	240A
Max. Discharging Current (A)	240A
Charging Curve	3 Stages / Equalization
External Temperature Sensor	Yes
Charging Strategy for Li-Ion Battery	Self-adaption to BMS

PV String Input

Max. DC Input Power (W)	15600W
PV Input Voltage (V)	550V (150V ~ 800V)
MMPT Range (V)	200V - 650V
Start-up Voltage (V)	160V
PV Input Current (A)	26A+13A
No. of MPPT Trackers	2
No. of Strings Per MPPT Tracker	2+1

AC Output

Rated AC Output and UPS Power (W)	12000W
Max. AC Output Power (W)	13200W
Peak Power (off grid)	2 times of rated power, 10S
AC Output Rate Current(V)	18A
Max. AC Current (A)	27A
Max. Continuous AC Passthrough (A)	50A
Output Frequency and Voltage	50/60Hz; 230/400Vac (Three phase)
GridType	Three phase
Current Harmonic Distortion	THD<3%(Linear load<1.5%)

Efficiency

Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

Protection

PV Input Lightning Protection	Intergrated
Anti-islanding Protection	Intergrated
PV String Input Reverse Polarity Protection	Intergrated
Insulation Resistor Detection	Intergrated
Residual Current Monitoring Unit	Intergrated
Output Over Current Protection	Intergrated
Output Shorted Protection	Intergrated
Output Over Voltage Protection	Intergrated
Surge protection	DC Type II / AC Type II

Certifications and Standards

Grid Regulation	IEC61727, IEC62116, IEC60068, IEC61683, NRS 097-2-1.
Safety EMC / Standard	IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12.

General Data

Operating Temperature Range (°C)	-25~60°C, >45°C Derating
Cooling	Smart cooling
Noise (dB)	<45dB
Communication with BMS	RS485; CAN
Weight (kg)	36.8
Size (mm)	422Wx658Hx281D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years