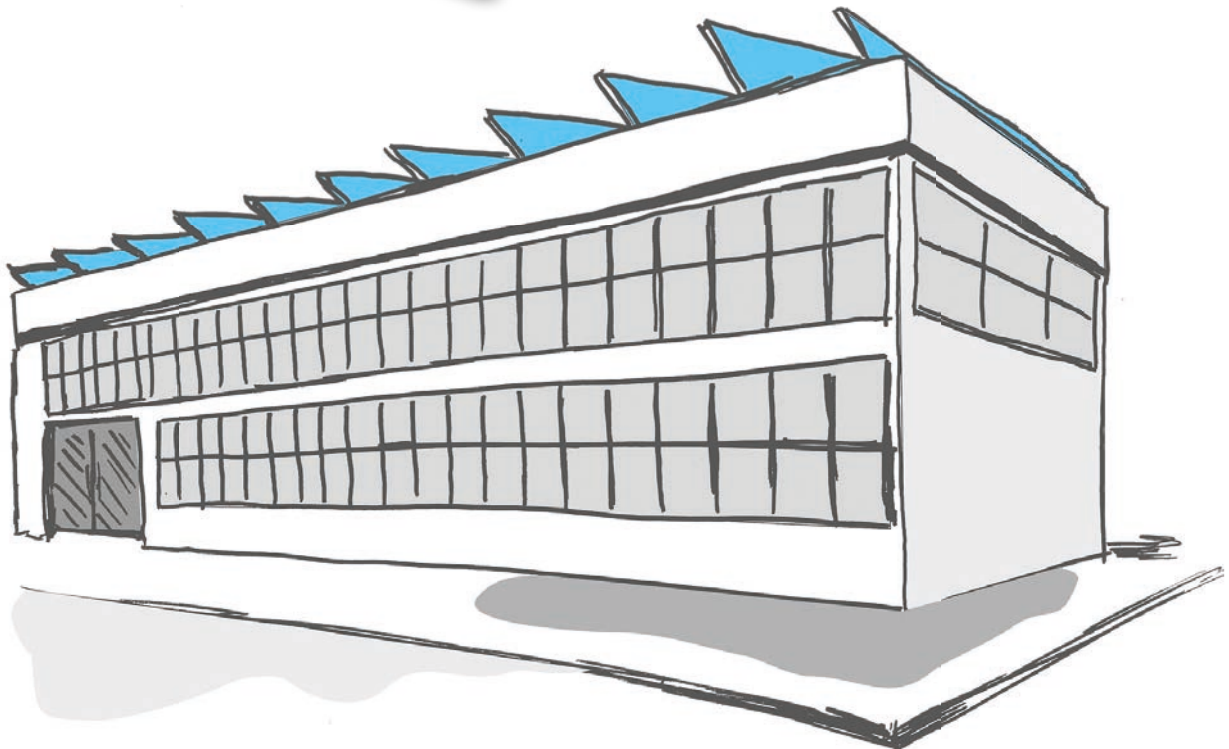


SolarMax HT-Series

The perfect solution
for commercial PV plants

3phase (30-32 kW)



SolarMax HT-Series

Specifications

3phase (30-32 kW)



		SolarMax 30HT4	SolarMax 32HT4	SolarMax 32HT2
Input values	MPP-voltage range ¹⁾	430 ... 800 V	460 ... 800 V	460 ... 800 V
	Control range	250 ... 850 V	250 ... 850 V	250 ... 850 V
	Minimum DC-voltage	250 V		
	Maximum DC-voltage	1000 V		
	Maximum DC-current	4 x 18 A		2 x 36 A
	Number of MPP-Trackers	4		2
	Max. PV generator output power per MPPT	9.000 Wp		18.000 Wp
	Number of string connections	4 x 2		2 x 4 ²⁾
Connection type	Wieland PST40i1 (MC4 identical in design)			
Output values	Rated output power ²⁾	30.000 W	32.000 W	
	Maximum apparent output power ²⁾	30.000 VA	32.000 VA	
	Maximum AC current	3 x 44 A	3 x 47 A	
	Nominal mains voltage	3 x 400 V		
	Mains nominal frequency / range	50 Hz / 45 Hz ... 55 Hz		
	Power factor cos (φ)	Adjustable from 0,8 overexcited to 0,8 underexcited		
	Distortion factor at rated output power	< 3 %		
	Connection type	Connector (locking)		
	Grid connection	Three phase (L1 / L2 / L3 / N / PE)		
	Power input at night	0 VA ³⁾		
Efficiency	Max. efficiency	98,0 %		
	Euro efficiency	97,5 %		
Ambient conditions	Protection class	IP65		
	Ambient temperature range (for rated power output)	-20°C ... + 60°C (+45°C)		
	Relative humidity	0 ... 98 % (condensation)		
	Maximum operating level above sea level	2.000 m (without Derating)		
	Fire protection	According EN 62109-1/ -2		
Configuration	Display	LC graphics display with backlighting and status LED		
	Circuit type	Two-stage, transformerless		
	Data logger	Data logger for Energy yield, peak output, and operating duration of the last 31 days, 12 months, 10 years.		
	Fault current monitoring	Internal, AC/DC sensitive		
	Casing	Aluminium		
	Overvoltage conductor DC	Class C (VDE 0675-6) and type 2 (EN 61643-11)	Class C (VDE 0675-6) and type 2 (EN 61643-11) / surge arrester type 2 in the terminal box	
	Overvoltage conductor AC	Class D (VDE 0675-6) and type 3 (EN 61643-11)		
Standard & guidelines ⁴⁾	EMC	EN 61000-3-11 / EN 61000-3-12 / EN 61000-6-2 / EN 61000-6-3		
	Grid connection	VDE 0126-1-1 (A1:2012 / 2013) / VDE-AR-N 4105 / BDEW MV directive / G59/3 / CEI 0-21 / CEI 0-16 PPC Guide / C10/11 / EN 50438		
	Device safety	EN 62109-1/ -2		
Interfaces	Data communication	RS485 (RJ45 and terminal screw) / Ethernet (RJ45)		
	Status signaling contact	Relay as N/C contact / N/O contact (terminal screw)		
	Connection ripple control signal receiver	With MaxRemote		
	Connection external grid monitoring	Terminal screw		
Weight & Dimensions	Weight	70 kg	70 kg ⁵⁾	
	Dimensions (W x H x D)	580 x 840 x 380 mm		
Warranty	Standard warranty	5 years		
	Warranty extensions	to 10, 15, 20 or 25 years		

¹⁾ For AC rated power output

²⁾ stored in the terminal box

³⁾ EMC filter is disconnected at night

⁴⁾ in preparation

⁵⁾ without terminal box

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