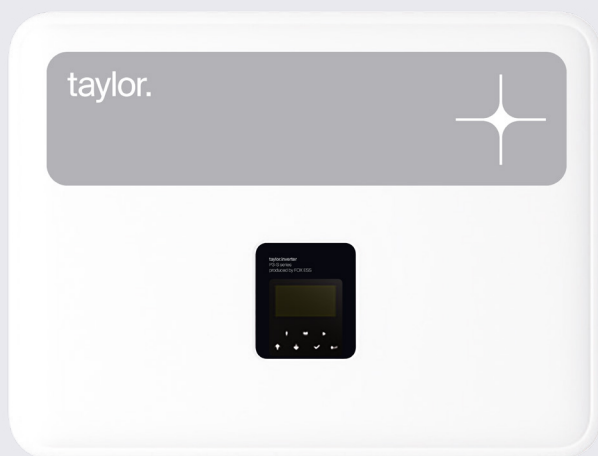


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PRODUCED BY



**three phase
hybrid inverter**

P3-S

Tested and supported (1st/2nd line) by taylor.

Pre-made battery, meter and taylor.gateway cable to reduce installation time.

Most suitable specs for energy trading.

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Datasheet

P3-S



Models	P3-5.0-SH	P3-6.0-SH	P3-8.0-SH	P3-9.9-SH	P3-10.0-SH	P3-12.0-SH	P3-15.0-SH
PV input (only for hybrid)							
Max. array power (Wp)	11000	14000	18000	20000	20000	24000	30000
Max. DC input power (W)	11000	13200	17600	18000	18000	22500	22500
Max. DC voltage (V)				1000 ¹			
Normimal DC operating voltage (V)				620			
Max. MPPT input current (A)	20 / 20		20 / 20 / 20				
Max. MPPT short circuit current (A)	25 / 25		25 / 25 / 25				
Max. MPPT input power (W)	10000 / 10000		10000 / 10000 / 10000				
Min. operating PV voltage (V)				90 ²			
MPPT voltage range (V)				120 ~ 950			
Start-up input voltage (V)				140			
No. of MPP trackers	2		3				
Strings per MPP tracker	1 + 1		1 + 1 + 1				
Battery							
Battery type	Lithium-ion battery (LFP)						
Battery voltage (V)	100 ~ 800						
Min. operating battery voltage (V)	100						
Min. battery voltage @ full AC load (V)	108	125	160	210	210	250	310
Max. charge / discharge current (A)	50.0						
Communication interface	CAN						
AC input and output							
Max. AC input power (VA)	6000	7200	9600	12000	12000	14400	16000
Max. AC input current (per phase) (A)	9.1	10.9	14.5	18.2	18.2	21.8	24.2
Nominal AC output power (VA)	5000	6000	8000	9000	10000	12000	15000
Max. apparent AC output power (VA)	5500	6600	8800	9900	11000 ³	13200	16500
Rated AC output current (per phase) (A)	7.6	9.1	12.1	15.0	15.2	18.2	22.7
Max. AC output current (per phase) (A)	8.3	10.0	13.3	15.0	16.7	20.0	25.0
Rated grid voltage (AC voltage range) (V)	400 / 230 Vac ; 380 / 220 Vac, 3L / N / PE						
Rated grid frequency (Hz)	50 / 60 , ±5						
Power factor	1 (adjustable from 0.8 leading to 0.8 lagging)						
THDi (%)	< 3 @ rated power						
EPS output							
Max. apparent AC power (VA)	5000	6000	8000	10000	10000	12000	15000
Peak apparent AC power (60s) (VA)	6000	7200	9600	12000	12000	14400	15000
Rated output voltage (V)	400 / 230 Vac ; 380 / 220 Vac, 3L / N / PE						
Rated grid frequency (Hz)	50 / 60						
EPS max. current (per phase) (A)	7.2	8.7	11.6	14.5	14.5	17.4	21.7
Power factor	1 (adjustable from 0.8 leading to 0.8 lagging)						
Switch time (ms)	< 20						
THDV (%)	< 3 @ linear load						
Efficiency							
MPPT efficiency (%)				99.90			
Max. efficiency (%)	97.30	97.70	97.70	97.90	97.90	97.90	97.90
Euro efficiency (%)	97.20						
Protection							
PV reverse polarity protection	Yes	Over voltage category				III (AC side) , II (DC side)	
Battery reverse protection	Yes	Reverse connect protection				Yes	
Anti-islanding protection	Yes	Over-current protection / over-temperature protection				Yes	
Output short protection	Yes	AC/DC surge protection				Type II (PV) / Type II (AC)	
Leakage current protection	Yes	AFCI protection				Optional	
Insulation resistor detection	Yes	DC switch				Yes	
General data							
Dimensions (W x H x D) (mm)				600 x 450 x 226			
Dimensions of packaging (W x H x D) (mm)				665 x 545 x 390			
Net weight (kg)				34			
Gross weight (kg)				40			
Installation				Wall-mounted			
Operating temperature range (°C)				-25 ~ +60 (derating at 45)			
Storage temperature (°C)				-40 ~ +70			
Storage / operation relative humidity (%)				0 ~ 100			
Altitude (m)				< 4000 @ derating exceeding 2000			
Protective class				I			
Ingress protection				IP65 (for outdoor use)			
Standby consumption (W)				20 ~ 25			
Standby mode				Yes			
Cooling				Natural	Fan cooling		
Noise grade (dB)				< 40	< 55		
Inverter topology				Non-isolated			
Communication interface	Ethernet, EMS(RS485), Meter, WiLAN (Wifi+LAN+Bluetooth), 4G (optional), DRM, Ripple Control, USB, BMS (CAN), SG Ready						
LCD display	Backlight 16 x 4 character						
Button	Capacitive touch sensor x4						
Buzzer	1, inside (EPS & earth fault)						
Warranty							
Product Warranty	10 years (backed by FOX ESS)						

¹ For 1000V system, PV maximum operating voltage is 950V.
² The starting working voltage of the power supply is 90V.
³ Belgian safety regulations require an apparent power of 10000W to be 10000VA.